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NIELSEN ENGINEERING AND RESEARCH INC MOUNTAIN VIEW CALIF F/6 20/4
DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS A--ETC(1)
MAY 78 S S STAHARA & A J CRISALLI F44620-75-C-0047

UNCLASSIFIED NEAR-TR-163-VOL-3

AFOSR-TR-79-1072

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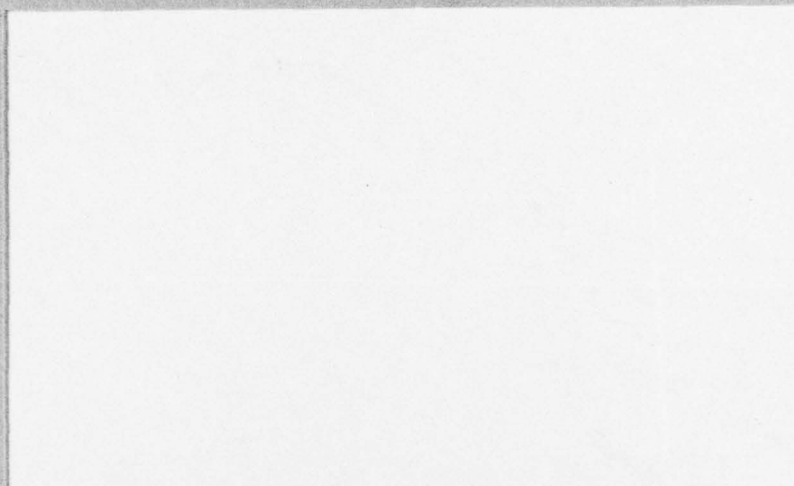
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Results are presented for transonic wind tunnel tests conducted in the 4T Wind Tunnel at Arnold Engineering and Development Center for various wing-body/pylon/store model combinations. Experimental data were obtained at 0, 2, and 5 degrees angle of attack of the model combinations and at Mach numbers of 0.925, 0.950, 1.0, and 1.10 in the transonic range. Pylon and store models were attached to a wing-body combination in two separate, systematic model build-up sequences. At each stage of the first sequence, flow velocities and static pressures were obtained in the vicinity of the store or those regions normally occupied by a store while →			

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force, moment and surface pressure measurements were taken on the wing-body model. Also, flow velocities and static pressure were recorded on a cylindrical control surface far from the tunnel centerline to provide outer flow field conditions. The second model build-up sequence involved a special pressure-instrumented store that was mounted on the captive trajectory system for simulating a separating store. Detailed pressure distributions and loading were obtained on the store.

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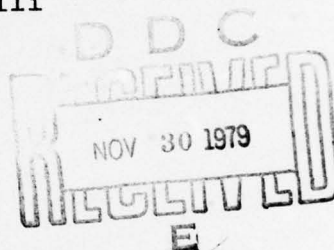
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DATA REPORT FOR A TEST PROGRAM TO STUDY
TRANSONIC FLOW FIELDS ABOUT WING-BODY/
PYLON/STORE COMBINATIONS

VOLUME III.- FLOW FIELD SURVEY DATA
FOR CONFIGURATIONS 24, 25 AND 26

by

S. S. Stahara and A. J. Crisalli



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NOMENCLATURE

AAL	local upwash angle referenced to body-axis coordinates, calculated from probe measurements, deg
AATL	local upwash angle referenced to tunnel-axis coordinates, calculated from probe measurements, deg
ALFA	wing-body angle of attack, positive nose up as seen by the pilot, deg
ALFAS	angle of attack of the CTS mounted store or probe positive nose up as seen by the pilot, deg
A_n	pressure store projected planform area of nth element $A_n = \frac{\Delta\phi r(x)}{S}$
AW	wing-body planform area, 0.444 ft ²
b	wing span of wing body, 16.0 in.
B_n	pressure store projected frontal area of nth element $B_n = \frac{\Delta\phi r(x) dr/dx}{S}$
CA	axial-force coefficient, positive downstream as seen by the pilot; for wing-body, CA = axial force/[(Q) (AW)]; for pressure store, CA = $D_1 \sum_{\phi=-175}^{175} CP_1 + \sum_{n=2}^5 (CAX)_n D_n$
CAB	base axial-force coefficient
CAF	forebody axial-force coefficient
CAX, CAX _n	pressure store axial-force distribution per foot $CAX = CAX_n = B_n \sum_{\phi=-175}^{175} CP_n, \quad n = 1 \text{ to } 5$
CLL	rolling-moment coefficient, positive vector upstream as seen by the pilot, CLL = moment/[(Q) (AW) (b)]
CLM	pitching-moment coefficient, positive vector to right as seen by the pilot; for wing-body, CLM = moment/[(Q) (AW) (MAC)]; for pressure store, CLM = $\sum_{n=2}^{19} (CLMX)_n G_n$
CLMF	forebody pitching-moment coefficient

CLMX_n pressure store pitching-moment distribution per foot,
 $CLMX_n = (x/d)_n (CNX)_n$

CLN yawing-moment coefficient, positive vector down as seen by the pilot; for wing-body, $CLN = \text{moment}/[(Q)(AW)(b)]$;
 for pressure store, $CLN = \sum_{n=2}^{19} (CLNX)_n$

CLNX_n pressure store yawing-moment distribution per foot,
 $CLNX_n = (x/d)_n (CYX)_n$

CN normal-force coefficient, positive up as seen by pilot; for wing-body, $CN = \text{normal force}/[(Q)(AW)(MAC)]$; for
 pressure store, $CN = \sum_{n=2}^{19} (CNX)_n G_n$

CNF forebody normal-force coefficient

CNX pressure store normal-force distribution per foot,
 $CNX_n = -A_n \sum_{\phi=-175}^{175} CP_n \cos \phi, n = 2 \text{ to } 19$

CONFIG wing-body loading designation

CPL local pressure coefficient, calculated from probe measurements

CP_n pressure store pressure coefficient, $n = 1 \text{ to } 19$

CPS_n wing-body surface pressure coefficient, $n = 1 \text{ to } 25$

CY side-force coefficient, positive to the right as seen by the pilot; for wing-body, $CY = \text{side force}/[(Q)(AW)]$;
 for pressure store, $CY = \sum_{n=2}^{19} (CYX)_n G_n$

CYX pressure store side-force distribution per foot
 $CYX_n = -A_n \sum_{\phi=-175}^{175} CP_n \sin \phi, n = 2 \text{ to } 19$

DATE calendar time at which data were recorded

D_n length of nth element in X direction for axial-force calculation

DPHI	roll angle between the pressure store orifice (X-Z) plane and the wing-body X-Z plane, positive clockwise looking upstream
dr/dx	pressure store local surface slope
G_n	length of nth element in X direction
MAC	mean aerodynamic chord for wing-body, 5.344 in.
MACH (M)	wind tunnel free-stream Mach number
ML	local Mach number calculated from probe measurements
M1,M2,M3,M4	free stream Mach numbers. Nominally, M1 = 0.925, M2 = 0.950, M3 = 1.05, M4 = 1.10
M_∞	free stream Mach number
P	wind tunnel free-stream static pressure, psfa
PART	sequential indexing number for referencing data. A constant throughout each survey
PBAR	atmospheric pressure, psfa
PL	local static pressure calculated from probe measurements, psfa
POINT	sequential indexing number for referencing data obtained during one part. Indexes each time a new set of data inputs is obtained
PTL	local total pressure measured by probe, psfa
Q	wind tunnel free-stream dynamic pressure, psfa
$Re \times 10^{-6}$	wind tunnel free-stream Reynolds number, millions per foot
r(x)	pressure store local body radius at orifice location "X"
S	pressure store maximum cross-sectional area, 0.003068 ft ²
SURVEY	identifier for specific user table-survey combination
SWL	local sidewash angle referenced to body axis coordinates, calculated from probe measurements
SWTL	local sidewash angle referenced to tunnel axis
TEST	alpha-numeric notation for referencing a specific test program in a specific test unit

TT	wind tunnel free-stream total temperature, °F
UL,VL,WL	velocity components in the body axis X, Y, and Z directions, respectively, calculated from probe measurements, ft/sec
UT,VT,WT	velocity components in the tunnel-axis X, Y, and Z directions, respectively, calculated from probe measurements, ft/sec
V1 (VM)	wind tunnel free-stream velocity, ft/sec
X,Y,Z	body-fixed Cartesian coordinate system with origin at the nose of the aircraft model, and orientation such that the X axis is directed downstream and coincident with the longitudinal body axis, the Y axis directed to the left as viewed by a tunnel observer looking upstream, and the Z axis directed vertically downward in the tunnel
XS	axial distance along the pressure store, measured from the nose, ft
XT,YT,ZT	tunnel-fixed Cartesian coordinate system directed parallel and perpendicular to the tunnel centerline. The origin is coincident with the aircraft model nose at zero angle of attack. Positive directions are identical to the body axis system
x/d	characteristic dimension from midpoint of pressure store
α	model angle of attack, deg
$\Delta\phi$	pressure store roll increment between data points, 10 deg

DATA REPORT FOR A TEST PROGRAM TO STUDY
TRANSONIC FLOW FIELDS ABOUT WING-BODY/
PYLON/STORE COMBINATIONS

VOLUME III.- FLOW FIELD SURVEY DATA
FOR CONFIGURATIONS 24, 25 and 26

1. INTRODUCTION

This volume of the data report presents the flow-field survey data for configurations 24, 25 and 26 at Mach numbers $M_1 = 0.925$, $M_2 = 0.950$, $M_3 = 1.05$ and $M_4 = 1.10$ and angles of attack $\alpha = 0^\circ$, 2° , and 5° . The data were obtained in the 4T Wind Tunnel at Arnold Engineering and Development Center. These tests, performed at a nominal Reynolds number per foot of 3.0×10^6 , are indexed and outlined in Tables I through III of this volume. The tabulated data are contained on pages 1 through 176 of this volume.

2. DESCRIPTION OF TESTS

A general description of the test program as well as the details of the test hardware, coordinate systems, data uncertainties and other details associated with these tests are provided in Volume I of this data report.

Figure 1 provides the geometric details of the wing-body model tested. Planform and cross-sectional views of the wing-body in combination with pylons and attached stores are shown in figure 2, together with (X,Y) and (Y,Z) body-fixed coordinates which define the positions of the wings, pylons, stores and other locations of geometric interest. As discussed in Volume I, the actual measured coordinates differ slightly from the idealized blue-print coordinates shown in figure 2. See Volume I for details.

The various configurations of the wing-body pylons and stores used in the flow-field survey tests are shown in figure 3, where they are numbered 21, 22, 24, 25, and 26. The diagrams shown in figure 3 represent cross-sectional views of the model configurations from the standpoint of a wind-tunnel observer looking upstream from the rear of the model. The wing-body, pylons and dummy stores are clearly

indicated. The pressure store is not used in these configurations. The symbols "X" in figure 3 represent a cross-sectional view of the measurement (Y,Z) grid positions at which the conical probe was used to obtain inner flow field measurements while traversing in the longitudinal direction. Figure 4 shows the longitudinal extent of the general inner flow field grid layout, together with a detailed cross-sectional view of the general inner flow field grid layout. The specific grid (shown in figure 3) which is used for a given configuration is a subset of the grid layout shown in figure 4.

In addition to the above described inner flow-field grids, an outer flow-field grid was used to obtain outer flow-field surveys for configurations 21, 22, 24, and 25. The outer flow-field grid was the same for all configurations and is illustrated in figure 5. The outer flow-field grid layout is designed to give outer flow-field data at constant radial distance from the tunnel centerline for two values of the azimuthal angle.

The flow field data was obtained using the conical probe described in Volume I to determine flow-field velocity components and upwash and sidewash angles, as well as other flow quantities of interest. The velocities and angles were calculated using five pressures measured with the probe, including the pitot pressure, from an orifice located on the tip of the probe, and two orthogonal pairs of surface pressures from four orifices located on the conical portion of the probe. These pressures are used to deduce the other local-flow quantities, such as Mach number and total pressure.

3. DESCRIPTION OF DATA

Volume III contains all inner and outer flow-field survey data for configurations 24, 25 and 26. Table I contains a summary of the data contained in Volume III together with the page numbers and reference tables in Volume III corresponding to the data. Table II is a reference table which gives the page numbers in Volume III of the inner flow-field survey data for configurations 24, 25 and 26 at the various Mach numbers and angles of attack. Column 1 of Table II

indicates the configuration (24, 25 or 26), columns 2, 3 and 4 indicate the initial and final positions and the incremental change in the X coordinate of the probe static pressure orifices. Columns 5 and 6 indicate the Y and Z coordinates, respectively, of the probe longitudinal centerline. The remaining columns of Table II indicate the Mach numbers and angle of attack at which the test was carried out.

Table III is another reference table which gives the page numbers in Volume III of the outer flow-field survey data for configurations 24 and 25 at the various Mach numbers and angles of attack. The description of Table III is the same as that of Table II, with the exception that tunnel-axis coordinates (XT, YT, ZT) are used instead of body-axis coordinates (X,Y,Z).

The inner flow-field survey data for configurations 24, 25 and 26 are presented in tabular form in this volume on pages 1 through 140. The heading on each page contains the test number, the part number, the Reynolds number per foot, the angle of attack of the model, the configuration number (24, 25 or 26), the survey number and the angle of attack of the CTS pressure probe (nominally the same as the model angle of attack).

Below the heading information are the data obtained during each test. The first four columns indicate the sequential indexing number for referencing data obtained during one part (POINT) and the location of the probe in the body-fixed X, Y, or Z coordinates. (The body-fixed coordinate system is illustrated in figure 6.) The wind tunnel free-stream quantities are in columns five through nine, and are Mach number (M), velocity (VM, ft/sec), total pressure (PT, psfa), dynamic pressure (Q, psf), and total temperature (TT, °F). Following these quantities are local quantities as measured by the probe or calculated from probe measurements. These local quantities are Mach number (ML), the ratio of local to free-stream velocity (VML/VM), the ratio of local to free-stream total pressure (PTL/PT), pressure coefficient (CPL), the ratio of local velocity components in the body-fixed X, Y, and Z coordinates, respectively to the free-stream velocity (UL/VM,

VL/VM and WL/VM, respectively), and the upwash and sidewash angles referenced to body-axis coordinates (AAL and SWL, respectively). The positive sense of the upwash and sidewash is shown in figure 7.

The outer flow-field survey data for configurations 24 and 25 are presented in tabular form in this volume on pages 141 through 176. The description of this data tabulation is identical to that of the inner flow-field data tabulation, with the exception that the probe position, the upwash and the sidewash are referenced to the tunnel-fixed coordinate system which is illustrated in figure 8. We note that the quantity ALPHAS, representing the angle of attack of the CTS mounted probe, which appears in the heading of the data page will always be nominally zero for the outer flow-field surveys.

TABLE I.- SUMMARY OF TABULATED
DATA IN VOLUME III

$$Re/ft = 3.0 \times 10^6$$

Reference Table	Test	Pages
II	Inner flow-field surveys for configurations 24, 25 and 26	1-140
III	Outer flow-field surveys for configurations 24 and 25	141-176

TABLE II.- INNER FLOW-FIELD SURVEYS FOR CONFIGURATIONS 24, 25, AND 26

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Config	Initial X inches	Final X inches	ΔX inches	Y inches	Z inches	$\alpha=0$	$\alpha=2$	$\alpha=5$	$\alpha=0$	$\alpha=2$	$\alpha=5$	$\alpha=0$	$\alpha=2$	$\alpha=5$	$\alpha=0$	$\alpha=2$	$\alpha=5$
24	10.500	19.491	0.333	4.250	-1.230.	1	6	11	16	26	36	46	51	56	61	66	71
		19.824	0.666		-2.730				17	27	37						
					-1.980				18	28	38						
		19.491	0.333	3.500	-2.730	2	7	12	19	29	39	47	52	57	62	67	72
					-1.980	3	8	13	20	30	40	48	53	58	63	68	73
					-2.730				21	31	41						
		19.824	0.666	2.750	-2.730				22	32	42						
					-1.980				23	33	43	49	54	59	64	69	74
		19.491	0.333		-1.230	4	9	14	24	34	44						
		19.831	1.333	-2.750	-2.730				25	35	45	50	55	60	65	70	75
					-1.230	5	10	15	26	36	46	51	56	61	66	71	
25	9.834	19.491	0.333	0.750	-2.208	76	80	84	88	92	96	100	104	108	112	116	121
		19.842	0.666		-3.708												
					-2.958												
					-3.708												
		19.491	0.333	0.000	-3.708	77	81	85	89	93	97	101	105	109	113	117/118	122
					-2.958	78	82	86	90	94	98	102	106	110	114	118	123
		20.498	1.333	-0.750	-3.708												
					-2.208	79	83	87	91	95	99	103	107	111	115	120	124
26		19.824	0.666	0.750	-3.708												
					-2.958												
					-2.208	125		130	135								
		19.491	0.333	0.000	-3.708	126		131	136								
					-2.958	127		132	137/138								
					-2.208	128		133	139								
		20.498	1.333	-0.750	-3.708												
					-2.208	129		134	140								

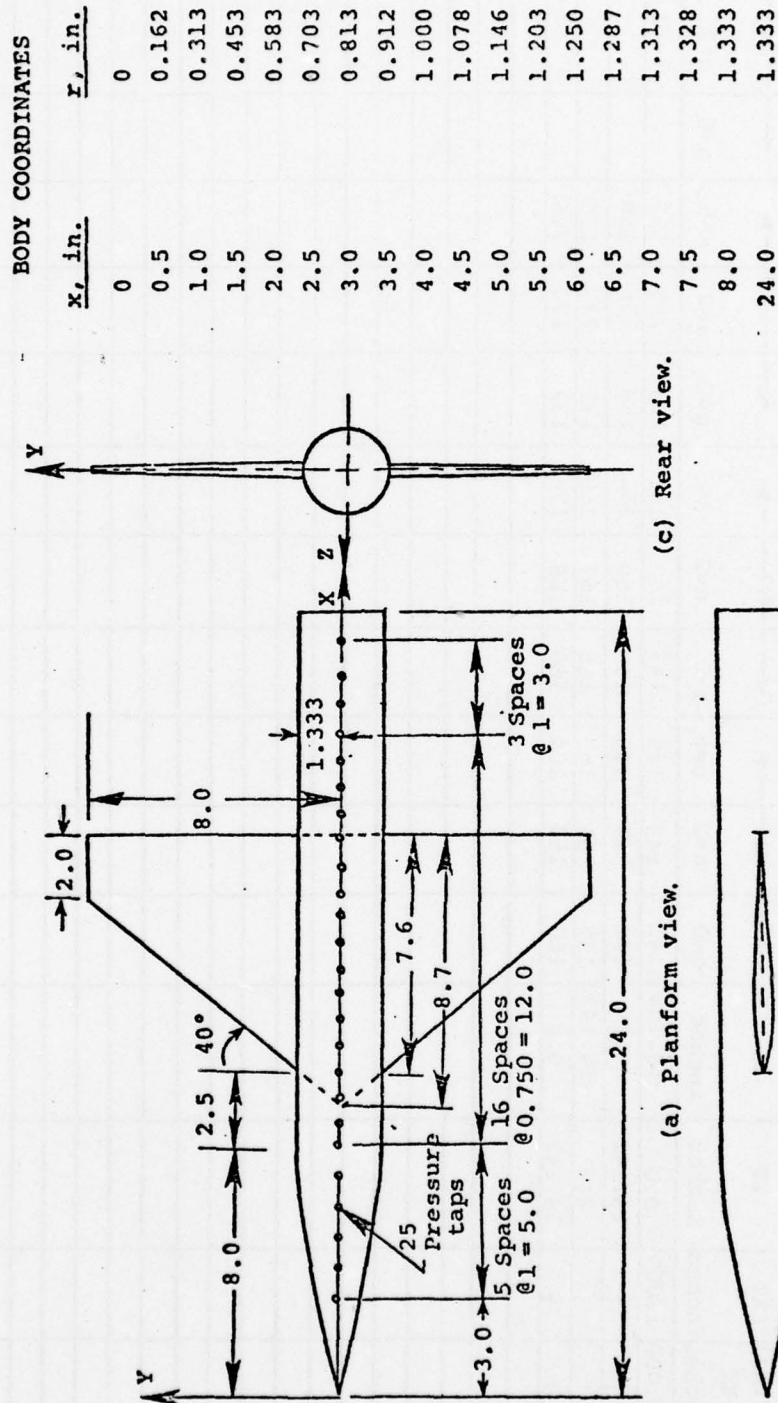
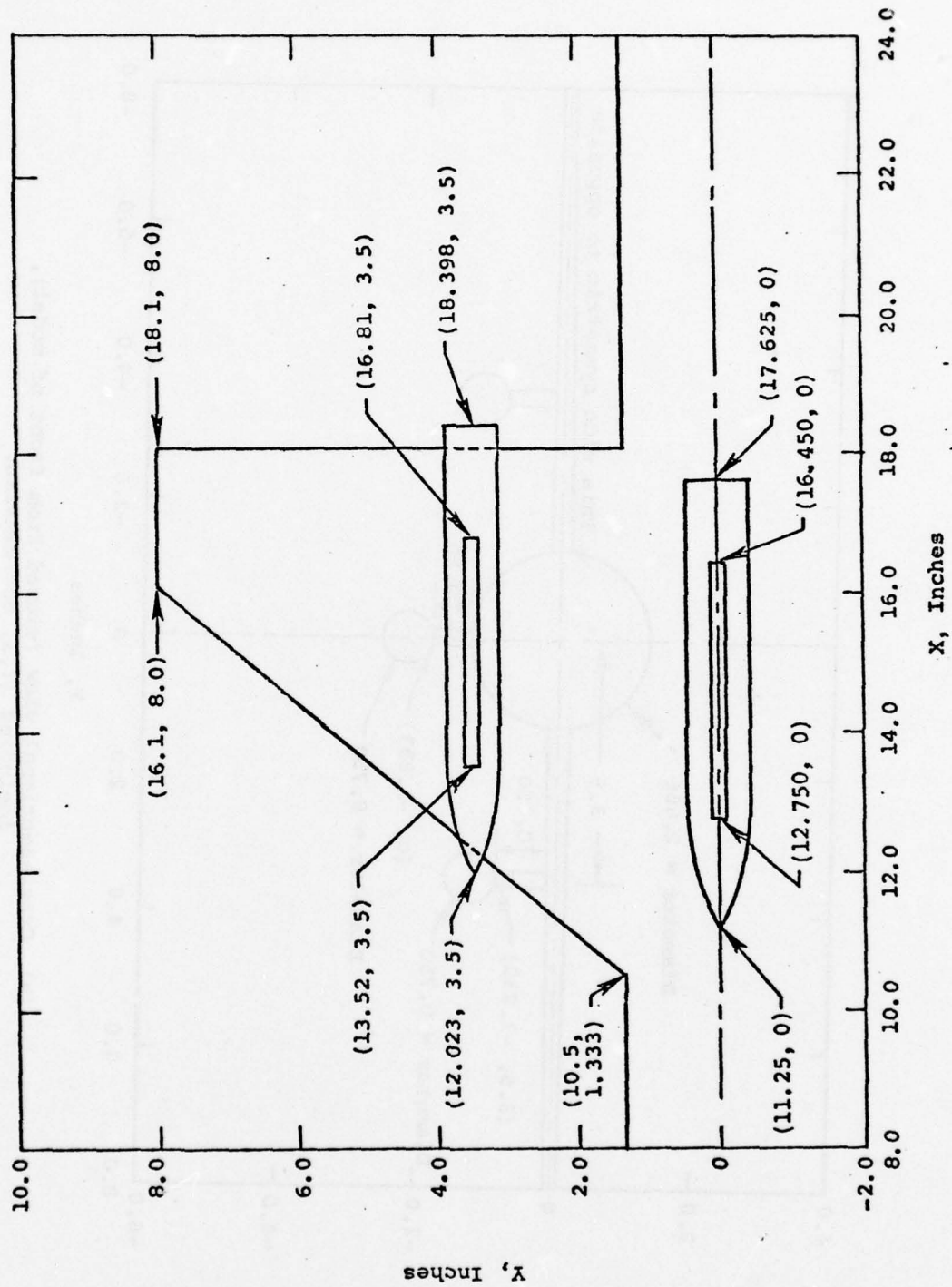
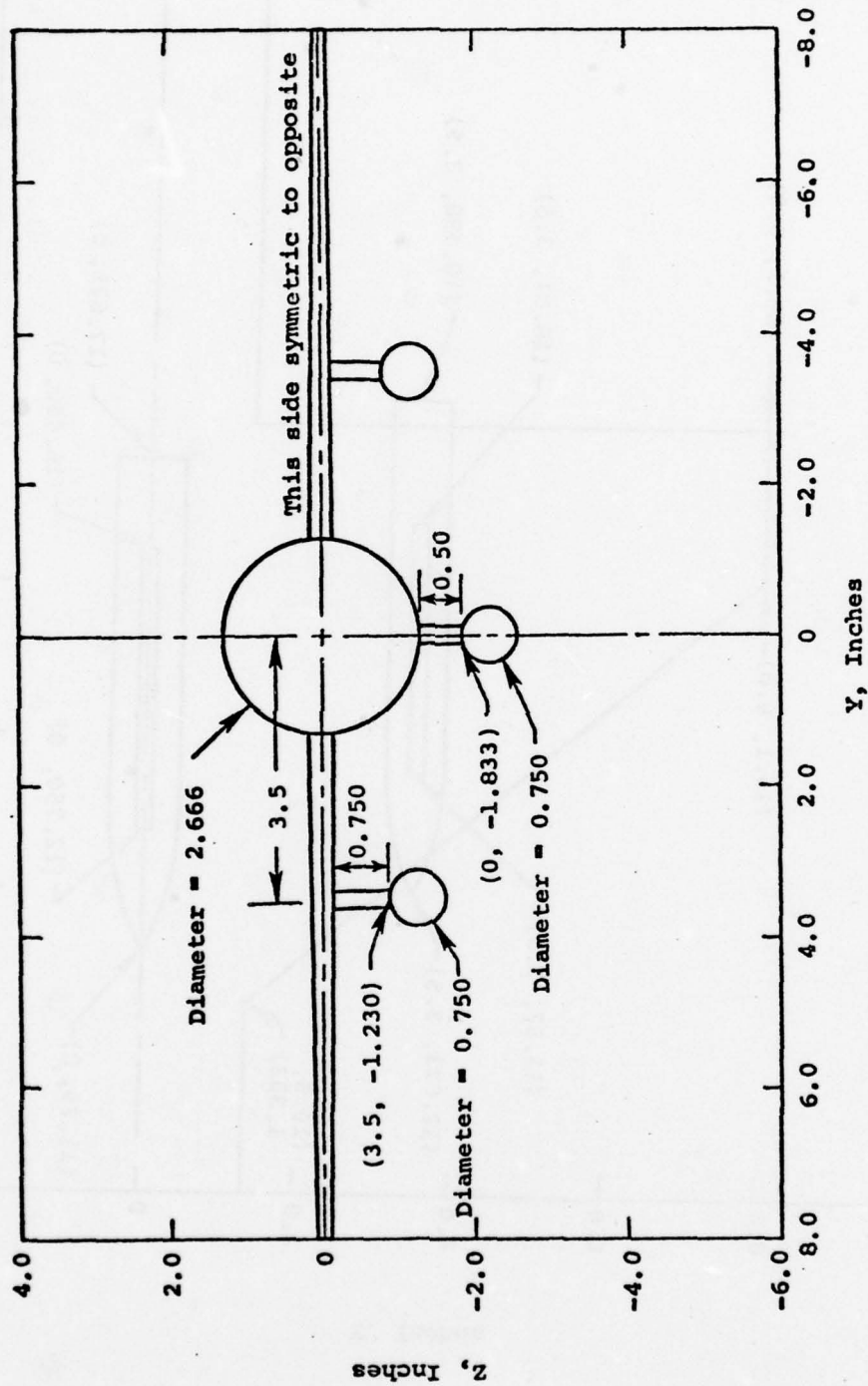


Figure 1.-Wing-body combination.



(a) Planform view, including (X,Y) coordinates.

Figure 2.-Wing-body with pylons and stores, including body-fixed coordinates.



(b) Cross-sectional view (viewed from front of model), including (Y,Z) coordinates.

Figure 2.-Concluded.

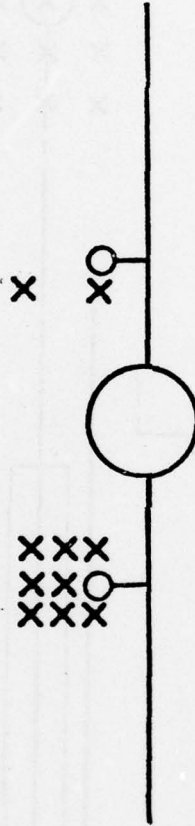
Configuration 21



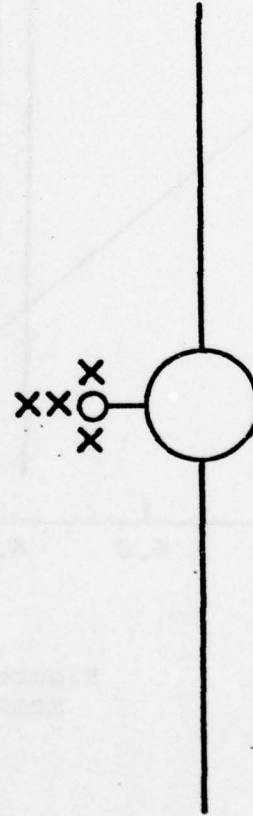
Configuration 22



Configuration 24



Configuration 25



Configuration 26

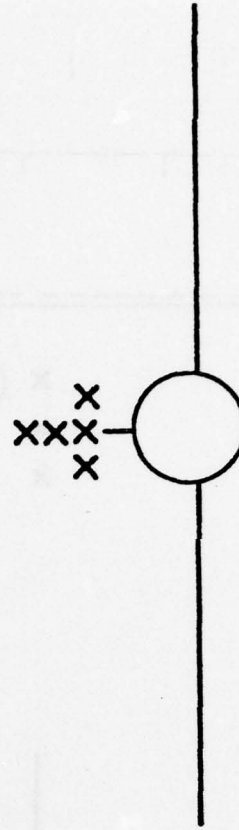


Figure 3. - Cross-sectional illustration of configurations 21, 22, 24, 25 and 26 viewed from rear of model.

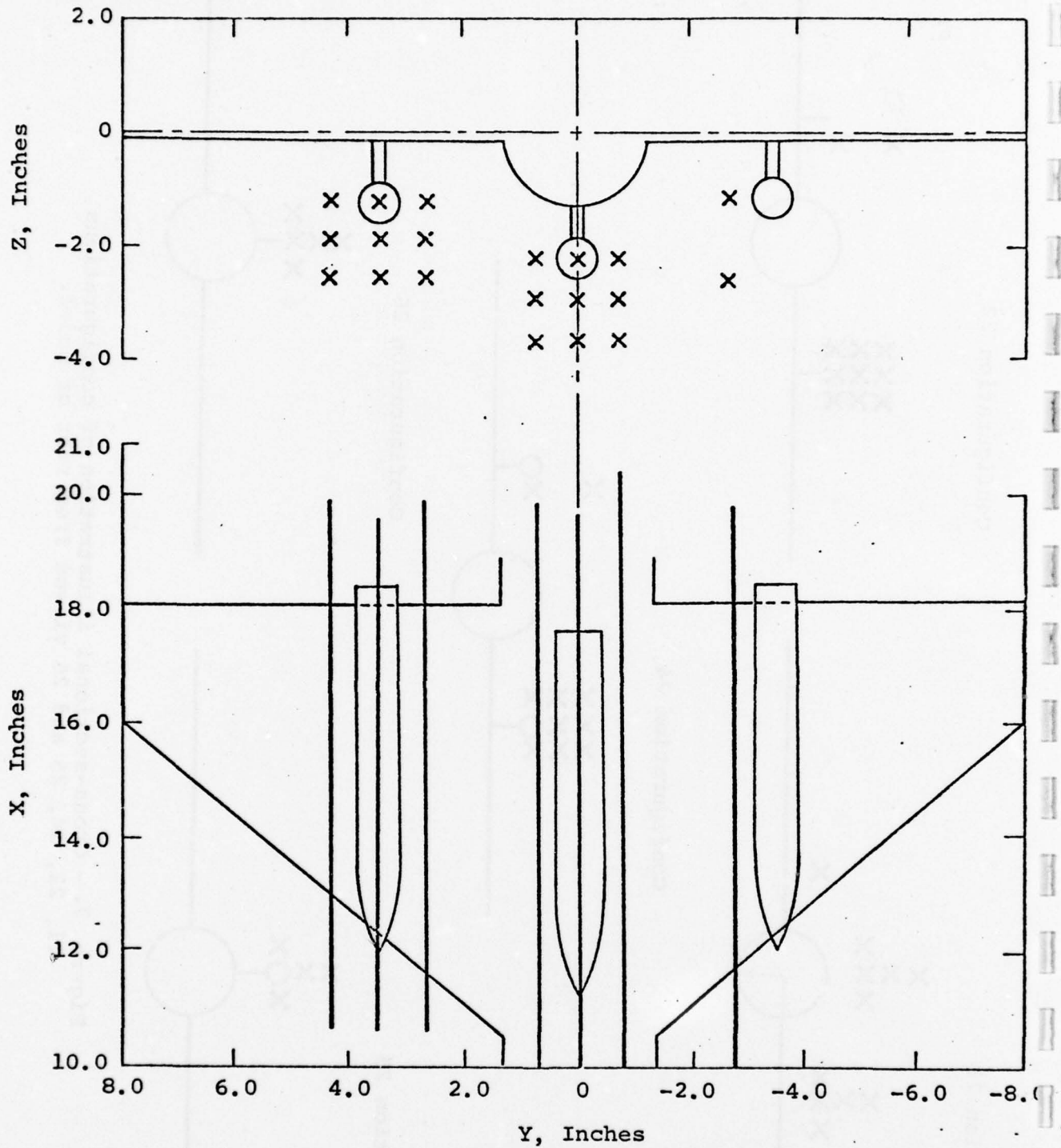
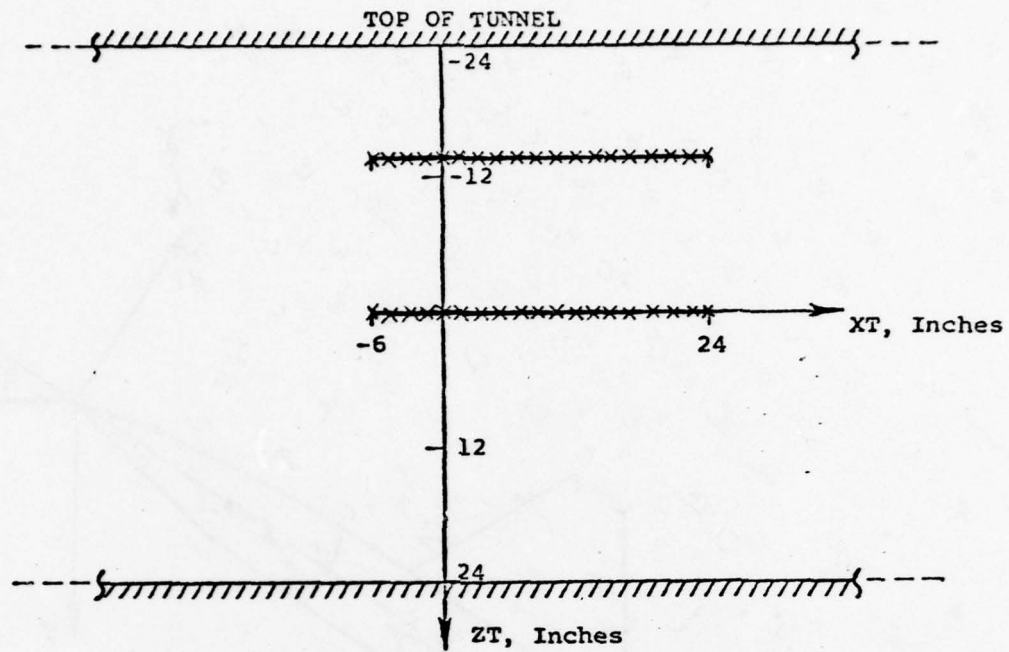
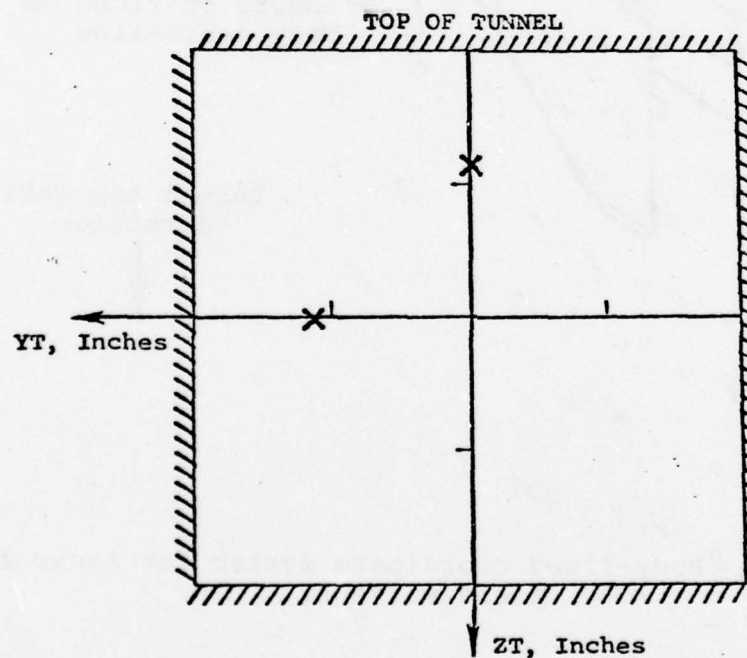


Figure 4.- General grid for inner flow-field measurements showing longitudinal extent and cross-sectional view of grid.



(a) XT Traverse in XT, ZT plane.



(b) XT Traverse in YT, ZT plane.

Figure 5.- General grids for outer flow-field surveys.

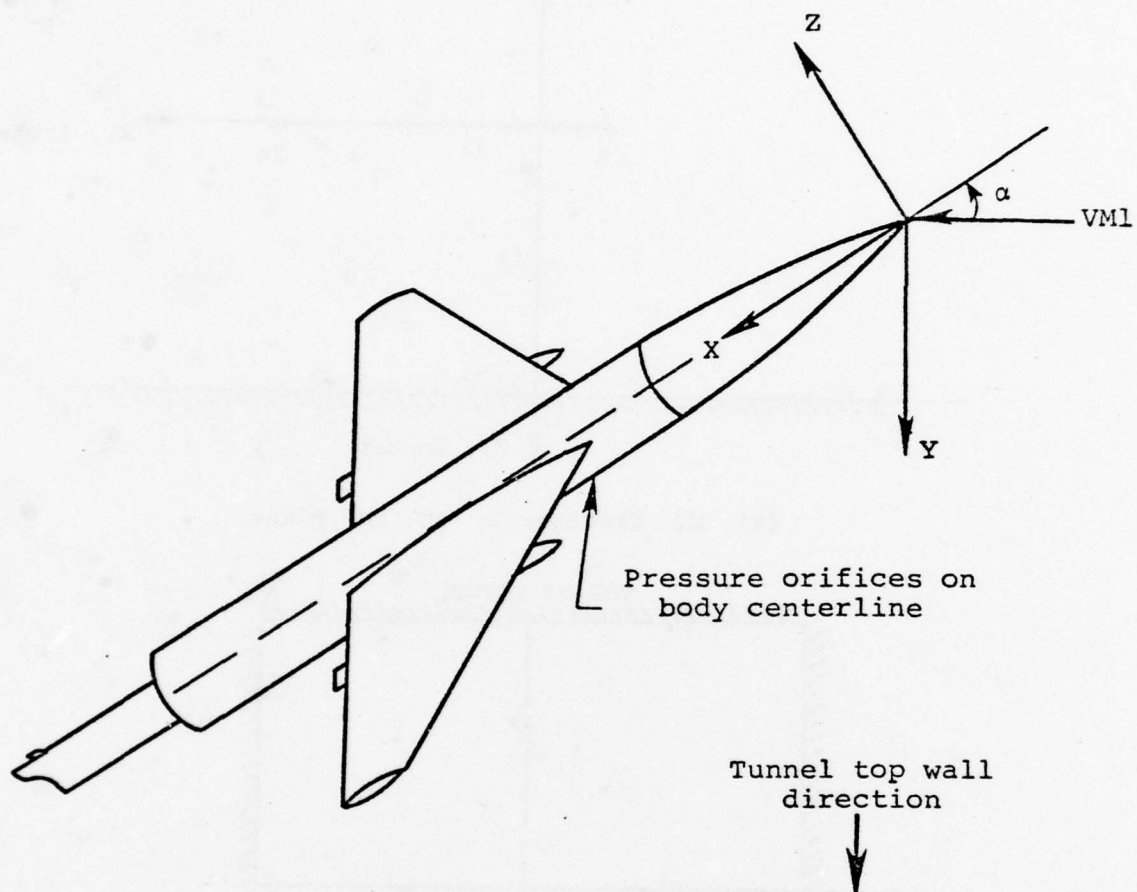


Figure 6.- Body-fixed coordinate system for inner flow field surveys.

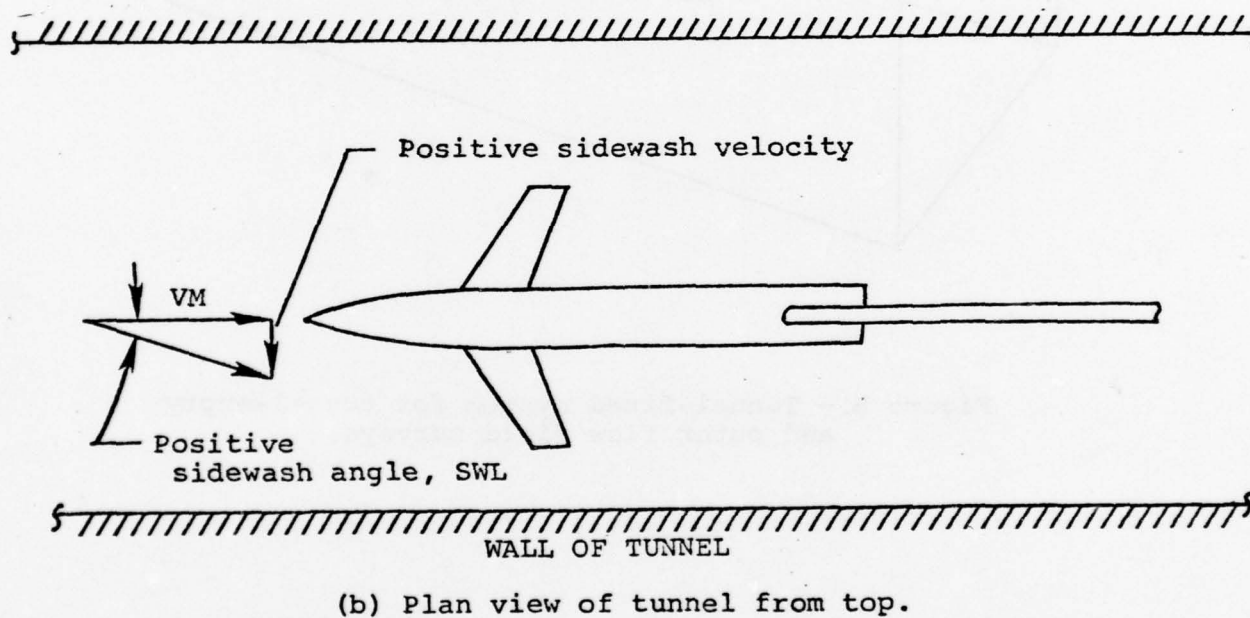
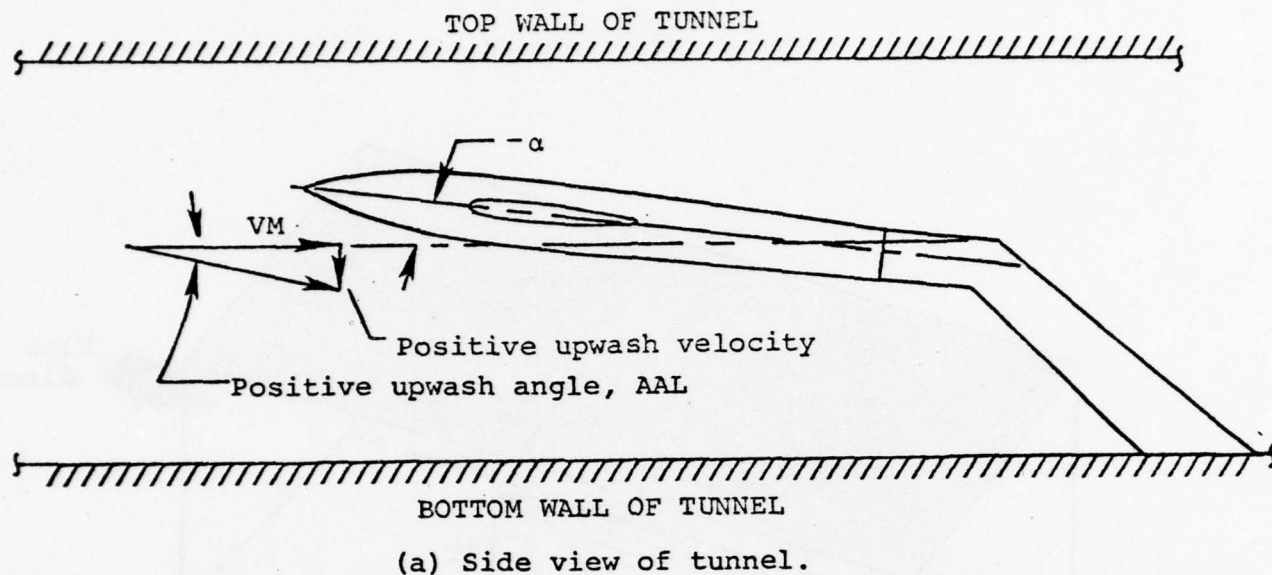


Figure 7.- Pictorial sign convention for upwash and sidewash angles.

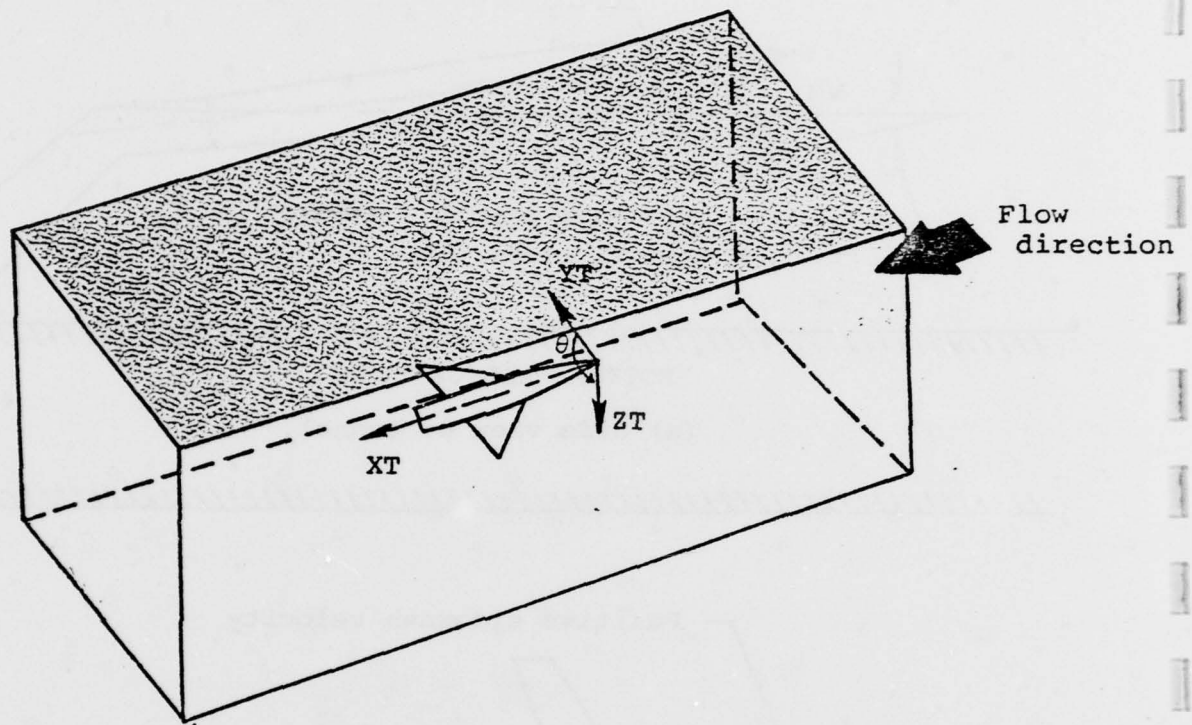


Figure 8.- Tunnel-fixed system for tunnel-empty and outer flow field surveys.

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ARO, INC.

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A STEELRUP CORPORATION COMPANY

PROPELSTION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA

TC-532 551 3.003 0.00

SURVEY ALFAS
1201 0.02

DATE
2-21-78

AEDC PROPELSTION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
7	10.500	4.250	-1.230	0.926	975.8	1442.4	498.5	79.9	0.911	0.985	1.000	0.030	0.985	0.009	-0.005	-0.30	0.52
8	11.166	4.250	-1.230	0.927	974.7	1443.0	498.1	79.9	0.893	0.969	1.000	0.062	0.969	0.017	-0.008	-0.49	0.98
9	11.832	4.250	-1.230	0.927	975.2	1442.1	498.0	79.9	0.851	0.929	1.000	0.141	0.927	0.050	-0.014	-0.87	3.07
10	12.498	4.250	-1.230	0.924	972.2	1442.5	496.4	79.9	0.860	0.940	1.000	0.119	0.933	0.113	-0.022	-1.36	6.50
11	13.164	4.250	-1.230	0.926	974.4	1442.2	498.2	80.0	1.079	1.136	0.999	-0.274	1.134	0.040	-0.048	-2.41	2.03
12	13.830	4.250	-1.230	0.928	975.7	1442.9	498.6	79.9	0.914	0.987	0.999	0.025	0.984	0.036	-0.070	-3.05	2.08
13	14.496	4.250	-1.230	0.927	974.9	1442.5	498.1	79.7	0.978	1.047	0.999	-0.095	1.044	0.025	-0.065	-3.53	1.38
14	15.162	4.250	-1.230	0.924	972.5	1442.1	496.5	79.7	1.038	1.102	1.000	-0.205	1.101	0.007	-0.038	-1.56	0.16
15	15.828	4.250	-1.230	0.926	974.1	1442.4	497.5	79.8	1.028	1.091	0.999	-0.185	1.091	-0.002	-0.021	-1.12	-0.10
16	16.494	4.250	-1.230	0.929	977.1	1443.3	499.5	79.9	1.128	1.174	0.999	-0.349	1.173	-0.025	0.035	1.72	-1.21
17	17.160	4.250	-1.230	0.928	976.1	1443.6	499.0	80.0	1.033	1.094	0.995	-0.195	1.093	-0.013	0.050	2.63	-0.71
18	17.826	4.250	-1.230	0.923	971.7	1442.2	496.1	79.7	0.925	1.001	0.997	-0.008	1.000	-0.013	0.041	2.33	-0.75
19	18.492	4.250	-1.230	0.927	975.0	1442.6	498.1	79.9	0.978	1.047	0.997	-0.059	1.045	-0.056	0.028	1.53	-3.06
20	19.158	4.250	-1.230	0.928	976.0	1441.6	498.4	79.7	0.917	0.989	0.997	0.017	0.987	-0.067	0.016	0.90	-4.91
21	19.824	4.250	-1.230	0.928	975.6	1441.5	498.1	79.7	0.879	0.955	0.997	0.086	0.954	-0.034	0.010	0.63	-2.02

DATE 9-MAR-78 PROJECT NO PAIC-MOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART

REX10-6

ALFA

CONFIG 24

SURVEY

ALFAS

1202

0.02

DATE

2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

UL/VM

VL/VM

WL/VM

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DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AERO DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 553 3.001 0.00 24 1203 0.02

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	10.500	3.500	-1.980	0.927	974.7	1441.7	497.6	79.8	0.908	0.983	0.999	0.034	0.983	0.006	-0.009	-0.54	0.37
4	10.833	3.500	-1.980	0.924	971.9	1442.1	496.2	79.7	0.898	0.986	0.999	0.046	0.976	0.008	-0.012	-0.59	0.48
5	11.166	3.500	-1.980	0.924	972.2	1441.4	496.1	79.7	0.890	0.968	0.999	0.062	0.968	0.009	-0.016	-0.95	0.55
6	11.499	3.500	-1.980	0.925	973.0	1441.7	496.7	79.7	0.877	0.955	1.000	0.089	0.955	0.011	-0.026	-1.33	0.64
7	11.832	3.500	-1.980	0.925	973.2	1440.9	496.5	79.7	0.850	0.930	1.000	0.140	0.928	0.013	-0.051	-3.15	0.79
8	12.165	3.500	-1.980	0.926	974.1	1441.9	497.4	79.7	0.838	0.917	0.999	0.163	0.912	0.016	-0.091	-5.70	0.99
9	12.498	3.500	-1.980	0.927	975.3	1441.2	497.9	79.7	0.863	0.940	0.999	0.117	0.932	0.017	-0.118	-7.23	1.06
10	12.831	3.500	-1.980	0.927	975.1	1440.5	497.5	79.7	0.973	1.041	1.000	-0.084	1.037	0.016	-0.098	-5.40	0.83
11	13.164	3.500	-1.980	0.929	976.5	1442.9	499.0	80.0	1.107	1.157	1.000	-0.315	1.156	0.010	-0.040	-1.37	0.48
12	13.497	3.500	-1.980	0.926	974.2	1442.7	497.7	79.8	1.034	1.097	0.999	-0.196	1.097	0.005	-0.027	-1.38	0.23
13	13.830	3.500	-1.980	0.926	974.3	1441.9	497.5	79.8	0.937	1.010	1.000	-0.020	1.009	0.003	-0.035	-1.36	0.17
14	14.163	3.500	-1.980	0.928	975.7	1442.9	498.6	79.9	0.948	1.019	1.000	-0.038	1.018	0.000	-0.034	-1.93	0.02
15	14.496	3.500	-1.980	0.923	971.3	1442.0	495.8	79.8	0.976	1.049	1.000	-0.098	1.048	-0.003	-0.030	-1.55	-0.18
16	14.829	3.500	-1.980	0.926	973.9	1441.9	497.3	79.8	1.036	1.099	1.000	-0.199	1.099	-0.007	-0.022	-1.16	-0.35
17	15.162	3.500	-1.980	0.926	974.0	1441.0	497.1	79.7	1.061	1.121	1.000	-0.242	1.120	-0.012	-0.013	-0.55	-0.61
18	15.495	3.500	-1.980	0.928	975.5	1441.6	498.1	79.7	1.071	1.127	0.999	-0.256	1.127	-0.019	-0.004	-0.21	-0.95
19	15.828	3.500	-1.980	0.929	976.2	1440.8	498.3	79.5	1.075	1.130	0.999	-0.261	1.129	-0.025	0.003	0.18	-1.25
20	16.161	3.500	-1.980	0.925	973.0	1440.1	496.2	79.6	1.068	1.127	1.000	-0.256	1.127	-0.028	0.009	0.33	-1.44
21	16.494	3.500	-1.980	0.927	975.0	1441.5	497.8	79.7	1.080	1.135	0.999	-0.273	1.135	-0.029	0.015	0.76	-1.48
22	16.827	3.500	-1.980	0.929	976.8	1441.7	498.9	79.7	1.097	1.149	0.999	-0.298	1.147	-0.030	0.026	1.27	-1.50
23	17.160	3.500	-1.980	0.926	973.8	1442.1	497.4	79.9	1.042	1.104	0.999	-0.210	1.104	-0.023	0.030	1.54	-1.19
24	17.493	3.500	-1.980	0.927	975.2	1442.1	498.1	79.8	0.969	1.038	0.999	-0.078	1.037	-0.021	0.030	1.66	-1.16
25	17.826	3.500	-1.980	0.926	973.9	1443.9	497.8	80.0	0.942	1.016	0.998	-0.034	1.015	-0.021	0.026	1.33	-1.17
26	18.159	3.500	-1.980	0.927	975.0	1442.1	497.9	79.9	0.941	1.013	0.999	-0.028	1.013	-0.021	0.029	1.83	-1.17
27	18.492	3.500	-1.980	0.929	976.8	1441.8	498.9	79.9	1.040	1.099	0.999	-0.201	1.097	-0.024	0.065	3.12	-1.25
28	18.825	3.500	-1.980	0.928	975.7	1444.1	499.0	80.0	1.031	1.092	0.998	-0.188	1.089	-0.025	0.078	4.11	-1.32
29	19.158	3.500	-1.980	0.927	975.3	1442.8	498.3	80.0	0.940	1.012	0.998	-0.027	1.009	-0.024	0.071	4.02	-1.34
30	19.491	3.500	-1.980	0.928	975.9	1442.8	498.7	79.9	0.893	0.968	0.998	0.062	0.966	-0.021	0.047	2.31	-1.27

DATE 9-MAR-78 PROJECT NO P4IC-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 555 3.002 0.00

SURVEY ALFAS
1205 0.02

CONFIG 24

DATE
2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-1.230	0.926	974.3	1442.8	497.8	79.8	0.900	0.975	0.999	0.048	0.975	-0.009	-0.010	-0.56	-0.51
3	11.833	-2.750	-1.230	0.920	968.9	1441.7	494.2	79.8	0.834	0.918	1.000	0.162	0.918	0.021	-0.030	-1.85	1.31
4	13.166	-2.750	-1.230	0.928	976.1	1442.2	498.6	80.0	1.109	1.159	1.000	-0.320	1.158	0.016	-0.055	-2.73	0.77
5	14.499	-2.750	-1.230	0.925	973.1	1442.8	497.1	79.8	1.012	1.079	0.998	-0.161	1.077	0.027	-0.058	-3.07	1.42
6	15.832	-2.750	-1.230	0.925	973.5	1442.9	497.4	79.8	1.027	1.091	0.996	-0.189	1.091	0.009	0.007	0.36	0.45
8	17.165	-2.750	-1.230	0.926	974.1	1441.9	497.4	79.8	0.972	1.042	0.994	-0.093	1.039	-0.017	0.076	4.16	-0.96
10	18.498	-2.750	-1.230	0.926	973.7	1441.8	497.1	79.8	0.998	1.066	0.995	-0.141	1.063	-0.060	0.049	2.64	-3.25
11	19.831	-2.750	-1.230	0.925	973.2	1442.2	496.9	79.9	0.876	0.955	0.995	0.082	0.953	-0.030	0.036	2.14	-1.83

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 566 3.002 2.00

DATE 2-21-78

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	MU	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	4.250	-1.230	0.927	974.9	1443.0	498.1	80.0	0.905	0.980	0.999	0.039	0.979	0.012	0.035	2.07	0.72
7	11.166	4.250	-1.230	0.929	976.5	1443.7	499.4	79.9	0.887	0.961	0.999	0.075	0.961	0.021	0.032	1.88	1.23
8	11.832	4.250	-1.230	0.926	974.5	1443.2	497.9	80.0	0.843	0.922	0.999	0.153	0.920	0.059	0.029	1.84	3.69
9	12.498	4.250	-1.230	0.926	973.8	1442.8	497.4	80.0	0.856	0.935	1.000	0.129	0.926	0.122	0.024	1.51	7.51
10	13.164	4.250	-1.230	0.928	975.8	1444.5	499.2	80.0	1.002	1.067	0.999	-0.137	1.066	0.059	-0.005	-0.28	3.19
11	13.830	4.250	-1.230	0.927	975.1	1443.8	498.5	80.0	0.899	0.974	0.999	0.049	0.972	0.056	-0.035	-2.08	3.29
12	14.496	4.250	-1.230	0.925	973.8	1443.0	497.4	80.0	0.947	1.019	0.999	-0.040	1.018	0.040	-0.032	-1.79	2.24
13	15.162	4.250	-1.230	0.928	976.2	1443.4	499.0	79.9	0.991	1.057	0.999	-0.116	1.057	0.020	-0.012	-0.67	1.06
14	15.828	4.250	-1.230	0.926	974.1	1442.7	497.5	80.0	0.991	1.059	1.000	-0.118	1.059	0.012	-0.001	-0.08	0.65
15	16.494	4.250	-1.230	0.929	976.8	1443.2	499.2	80.1	1.104	1.155	1.000	-0.310	1.153	-0.017	0.054	2.69	-0.62
16	17.160	4.250	-1.230	0.924	972.8	1443.1	496.9	80.1	1.011	1.079	0.997	-0.162	1.076	-0.006	0.070	3.74	-0.33
17	17.826	4.250	-1.230	0.927	975.4	1443.2	498.4	80.1	0.935	1.008	0.998	-0.018	1.006	0.000	0.060	3.41	0.02
18	18.492	4.250	-1.230	0.928	976.0	1443.5	498.9	80.1	0.985	1.052	0.998	-0.106	1.050	-0.042	0.049	2.67	-2.28
19	19.158	4.250	-1.230	0.925	973.6	1443.4	497.4	80.1	0.915	0.990	0.998	0.016	0.988	-0.052	0.036	2.08	-3.03
20	19.824	4.250	-1.230	0.929	976.7	1442.9	499.1	80.1	0.882	0.957	0.999	0.085	0.956	-0.019	0.030	1.77	-1.17

DATE 9-MAR-78 PROJECT NO PAIC-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 567 2.997 2.00

CONFIG 24

SURVEY ALFAS 1202 2.00

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
3	10.500	3.500	-2.730	0.922	970.7	1443.7	495.8	80.1	0.501	0.981	0.999	0.037	0.980	0.010	0.027	1.58	0.59
4	10.833	3.500	-2.730	0.927	975.4	1442.7	498.3	80.1	0.899	0.974	1.000	0.051	0.974	0.012	0.024	1.39	0.69
5	11.166	3.500	-2.730	0.925	973.4	1442.5	497.0	80.1	0.890	0.968	1.000	0.064	0.968	0.014	0.019	1.12	0.64
6	11.499	3.500	-2.730	0.925	973.7	1444.1	497.7	80.1	0.884	0.962	1.000	0.076	0.961	0.015	0.012	0.71	0.91
7	11.832	3.500	-2.730	0.926	974.2	1442.8	497.6	80.1	0.877	0.955	0.999	0.089	0.954	0.017	0.002	0.13	1.01
8	12.165	3.500	-2.730	0.926	974.2	1442.7	497.6	80.0	0.877	0.954	1.000	0.091	0.954	0.019	-0.011	-0.67	1.13
9	12.498	3.500	-2.730	0.927	975.2	1442.9	498.2	80.0	0.887	0.963	0.999	0.073	0.962	0.020	-0.020	-1.21	1.19
10	12.831	3.500	-2.730	0.928	975.7	1443.4	498.7	80.1	0.912	0.986	1.000	0.028	0.985	0.021	-0.019	-1.10	1.20
11	13.164	3.500	-2.730	0.929	976.7	1442.9	499.1	80.1	0.949	1.019	0.999	-0.038	1.018	0.021	-0.008	-0.45	1.17
12	13.497	3.500	-2.730	0.923	971.7	1442.9	496.2	80.0	0.946	1.021	1.000	-0.043	1.021	0.020	-0.003	-0.17	1.13
13	13.830	3.500	-2.730	0.926	974.2	1443.4	497.8	80.1	0.939	1.012	0.999	-0.026	1.012	0.019	-0.004	-0.25	1.08
14	14.163	3.500	-2.730	0.927	974.8	1443.6	498.3	80.0	0.942	1.014	0.999	-0.030	1.014	0.018	-0.005	-0.29	1.02
15	14.496	3.500	-2.730	0.928	976.5	1443.7	498.2	80.1	0.956	1.025	0.999	-0.051	1.025	0.017	-0.004	-0.20	0.95
16	14.829	3.500	-2.730	0.925	973.6	1443.1	497.4	80.0	0.974	1.044	1.000	-0.089	1.044	0.015	0.001	0.03	0.81
17	15.162	3.500	-2.730	0.925	973.1	1442.8	497.0	80.0	0.990	1.066	0.999	-0.121	1.060	0.012	0.007	0.40	0.65
18	15.495	3.500	-2.730	0.928	975.9	1443.7	498.9	80.1	1.000	1.066	1.000	-0.133	1.066	0.009	0.012	0.67	0.49
19	15.828	3.500	-2.730	0.925	973.1	1442.7	497.0	80.0	0.999	1.067	1.000	-0.135	1.067	0.007	0.015	0.83	0.37
20	16.161	3.500	-2.730	0.924	972.7	1443.3	496.9	80.1	1.004	1.073	0.999	-0.147	1.073	0.004	0.019	0.99	0.23
21	16.494	3.500	-2.730	0.926	974.1	1442.9	497.6	80.0	1.029	1.093	1.000	-0.186	1.092	0.002	0.025	1.34	0.13
22	16.827	3.500	-2.730	0.928	976.4	1443.5	499.1	80.1	1.050	1.108	1.000	-0.218	1.108	0.001	0.035	1.83	0.05
23	17.160	3.500	-2.730	0.926	974.2	1443.3	497.8	80.0	1.036	1.098	0.999	-0.199	1.098	0.004	0.042	2.19	0.19
24	17.493	3.500	-2.730	0.927	975.0	1443.5	498.4	79.9	0.988	1.055	0.999	-0.112	1.055	0.005	0.042	2.30	0.26
25	17.826	3.500	-2.730	0.927	974.8	1441.9	497.7	79.9	0.958	1.028	1.000	-0.058	1.028	0.005	0.042	2.36	0.30
26	18.159	3.500	-2.730	0.928	976.3	1442.5	498.8	79.9	0.948	1.018	1.000	-0.037	1.017	0.005	0.042	2.37	0.30
27	18.492	3.500	-2.730	0.927	975.0	1442.4	498.0	79.9	0.950	1.021	1.000	-0.042	1.020	0.005	0.045	2.52	0.26
28	18.825	3.500	-2.730	0.930	977.4	1443.4	499.7	80.0	0.948	1.016	0.999	-0.034	1.015	0.004	0.045	2.75	0.23
29	19.158	3.500	-2.730	0.925	973.2	1443.3	497.3	79.9	0.926	1.001	0.999	-0.004	1.000	0.004	0.047	2.72	0.25
30	19.491	3.500	-2.730	0.927	975.0	1443.4	498.3	79.9	0.912	0.986	0.999	0.025	0.986	0.005	0.042	2.43	0.27

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARU, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART RX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 568 3.002 2.00 24 1203 2.01

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	10.500	3.500	-1.980	0.928	975.7	1443.0	498.5	80.1	0.902	0.977	0.999	0.045	0.976	0.012	0.029	1.71	0.73
4	10.833	3.500	-1.980	0.928	976.3	1443.8	498.2	80.0	0.893	0.967	1.000	0.064	0.967	0.016	0.027	1.59	0.92
5	11.166	3.500	-1.980	0.925	973.3	1443.1	497.2	80.0	0.879	0.957	0.999	0.083	0.957	0.018	0.022	1.31	1.10
6	11.499	3.500	-1.980	0.925	973.7	1443.6	497.6	80.0	0.863	0.941	0.999	0.116	0.941	0.022	0.011	0.68	1.31
7	11.832	3.500	-1.980	0.926	974.2	1443.9	497.7	80.0	0.836	0.915	0.999	0.167	0.915	0.026	-0.016	-1.02	1.61
8	12.165	3.500	-1.980	0.927	974.7	1443.0	498.0	80.0	0.821	0.900	0.999	0.196	0.898	0.032	-0.060	-3.84	2.05
9	12.498	3.500	-1.980	0.928	975.6	1443.2	498.6	80.0	0.843	0.920	1.000	0.157	0.915	0.037	-0.091	-5.71	2.32
10	12.831	3.500	-1.980	0.928	976.4	1443.8	499.2	80.1	0.927	0.999	0.999	0.001	0.995	0.038	-0.074	-4.24	2.19
11	13.164	3.500	-1.980	0.925	973.0	1442.4	496.7	80.1	1.050	1.122	0.999	-0.245	1.121	0.034	-0.022	-1.12	1.75
12	13.497	3.500	-1.980	0.926	974.2	1443.7	497.9	80.0	0.957	1.028	0.999	-0.057	1.028	0.032	-0.015	-0.85	1.80
13	13.830	3.500	-1.980	0.927	974.7	1442.6	497.9	80.0	0.919	0.994	1.000	0.013	0.993	0.029	-0.020	-1.18	1.57
14	14.163	3.500	-1.980	0.927	975.5	1442.0	498.1	80.0	0.927	0.999	1.000	0.001	0.999	0.027	-0.020	-1.14	1.56
15	14.496	3.500	-1.980	0.929	976.9	1442.7	499.2	79.9	0.948	1.017	0.999	-0.036	1.017	0.025	-0.017	-0.95	1.42
16	14.829	3.500	-1.980	0.924	972.3	1441.5	496.2	79.8	0.977	1.048	1.000	-0.098	1.048	0.021	-0.010	-0.53	1.13
17	15.162	3.500	-1.980	0.926	973.9	1442.5	497.3	80.0	1.009	1.075	1.000	-0.151	1.075	0.015	-0.004	-0.21	0.77
18	15.495	3.500	-1.980	0.927	975.6	1442.4	498.3	80.0	1.002	1.067	1.000	-0.136	1.067	0.010	0.001	0.03	0.53
19	15.828	3.500	-1.980	0.929	976.6	1442.9	499.1	80.0	1.009	1.072	0.999	-0.146	1.072	0.008	0.007	0.37	0.43
20	16.161	3.500	-1.980	0.925	973.4	1442.5	497.1	79.9	1.018	1.084	0.999	-0.169	1.084	0.005	0.010	0.55	0.27
21	16.494	3.500	-1.980	0.927	975.1	1442.8	498.2	80.0	1.050	1.110	1.000	-0.221	1.110	0.003	0.020	1.02	0.14
22	16.827	3.500	-1.980	0.926	974.6	1442.9	497.9	79.9	1.076	1.133	0.999	-0.268	1.132	0.002	0.032	1.61	0.10
23	17.160	3.500	-1.980	0.927	975.2	1443.6	498.5	80.0	1.046	1.107	0.999	-0.215	1.106	0.007	0.035	1.83	0.37
24	17.493	3.500	-1.980	0.929	976.6	1442.8	499.1	79.9	0.981	1.048	0.999	-0.097	1.047	0.008	0.034	1.87	0.46
25	17.826	3.500	-1.980	0.927	975.3	1443.0	498.4	79.9	0.947	1.018	0.999	-0.037	1.017	0.009	0.033	1.84	0.53
26	18.159	3.500	-1.980	0.930	977.3	1443.0	498.6	79.9	0.944	1.013	0.998	-0.029	1.013	0.008	0.034	1.93	0.46
27	18.492	3.500	-1.980	0.929	976.7	1443.1	499.2	80.0	1.038	1.115	0.999	-0.233	1.113	0.004	0.080	4.09	0.19
29	18.825	3.500	-1.980	0.924	972.7	1442.7	496.7	80.0	1.040	1.104	0.999	-0.209	1.100	0.003	0.093	4.81	0.16
30	19.158	3.500	-1.980	0.926	974.4	1442.5	497.6	80.1	0.945	1.017	0.999	-0.037	1.014	0.004	0.084	4.73	0.24
31	19.491	3.500	-1.980	0.928	976.0	1443.4	498.9	80.0	0.894	0.969	0.999	0.060	0.967	0.005	0.059	3.48	0.30

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARKHOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

SURVEY ALFAS

1204 1.98

DATE

2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTI/PT	CBL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	2.750	-1.230	0.925	973.5	1443.2	497.3	80.0	0.990	0.967	1.000	0.065	0.967	0.015	0.032	1.90	0.92
3	10.833	2.750	-1.230	0.926	974.4	1444.0	498.2	79.9	0.977	0.954	0.999	0.090	0.953	0.019	0.028	1.67	1.15
4	11.166	2.750	-1.230	0.926	974.4	1442.2	497.6	79.9	0.862	0.940	0.999	0.119	0.939	0.022	0.022	1.34	1.36
5	11.499	2.750	-1.230	0.927	974.9	1442.7	498.0	80.0	0.841	0.920	1.000	0.158	0.920	0.019	0.013	0.78	1.21
6	11.832	2.750	-1.230	0.928	975.8	1442.4	498.4	80.0	0.814	0.893	1.000	0.211	0.893	-0.003	0.002	0.15	-0.19
7	12.165	2.750	-1.230	0.929	976.6	1443.7	499.3	80.0	0.788	0.867	0.999	0.261	0.865	-0.049	-0.005	-0.33	-3.27
8	12.498	2.750	-1.230	0.924	973.4	1443.3	496.8	80.0	0.916	0.898	0.999	0.200	0.894	-0.085	-0.011	-0.71	-5.43
9	12.831	2.750	-1.230	0.925	973.4	1443.1	497.3	80.0	0.889	0.866	0.999	0.066	0.963	-0.071	-0.020	-1.21	-4.24
10	13.164	2.750	-1.230	0.926	974.5	1442.7	497.8	80.0	1.035	1.098	0.999	-0.197	1.097	-0.020	-0.032	-1.68	-1.04
11	13.497	2.750	-1.230	0.927	975.5	1442.9	498.5	79.9	0.919	0.893	0.999	0.014	0.991	-0.021	-0.042	-2.42	-1.19
12	13.830	2.750	-1.230	0.928	975.9	1441.2	498.1	80.0	0.894	0.869	1.000	0.061	0.961	-0.029	-0.056	-3.34	-1.72
13	14.163	2.750	-1.230	0.925	973.0	1442.9	497.0	80.0	0.905	0.982	0.999	0.035	0.979	-0.033	-0.064	-3.74	-1.91
14	14.496	2.750	-1.230	0.925	973.7	1442.8	497.4	80.0	0.942	1.015	0.999	-0.032	1.013	-0.027	-0.053	-3.02	-1.53
15	14.829	2.750	-1.230	0.927	974.9	1442.7	498.1	79.8	0.963	1.060	0.999	-0.120	1.059	-0.021	-0.035	-1.92	-1.12
16	15.162	2.750	-1.230	0.928	975.8	1443.4	498.9	79.9	0.998	1.063	0.999	-0.128	1.063	-0.016	-0.021	-1.11	-0.93
17	15.495	2.750	-1.230	0.923	971.8	1442.5	496.2	79.9	0.977	1.049	0.999	-0.100	1.049	-0.014	-0.009	-0.49	-0.75
18	15.828	2.750	-1.230	0.926	974.1	1442.0	497.3	80.0	0.985	1.054	0.999	-0.109	1.054	-0.012	0.031	0.06	-0.63
19	16.161	2.750	-1.230	0.929	976.6	1444.6	499.6	80.1	1.049	1.107	0.998	-0.217	1.107	-0.005	0.026	1.36	-0.27
20	16.494	2.750	-1.230	0.929	976.6	1443.5	499.3	80.0	1.113	1.162	0.999	-0.325	1.159	0.011	0.077	3.82	0.54
21	16.827	2.750	-1.230	0.925	973.4	1442.9	497.2	80.0	1.096	1.151	0.998	-0.305	1.147	0.018	0.097	4.86	0.89
22	17.160	2.750	-1.230	0.927	975.5	1444.0	498.8	80.0	0.995	1.062	0.997	-0.128	1.058	0.015	0.091	4.93	0.62
23	17.493	2.750	-1.230	0.928	976.4	1442.5	498.8	80.0	0.955	1.024	0.998	-0.052	1.021	0.011	0.080	4.46	0.62
24	17.826	2.750	-1.230	0.927	975.6	1444.0	498.9	80.0	0.935	1.007	0.997	-0.019	1.004	0.009	0.072	4.12	0.53
25	18.159	2.750	-1.230	0.928	976.3	1442.7	498.8	80.0	0.929	1.001	0.998	-0.006	0.999	0.013	0.053	3.59	0.76
26	18.492	2.750	-1.230	0.924	972.2	1441.9	496.2	80.0	1.059	1.121	0.998	-0.247	1.117	0.018	0.056	2.85	3.99
27	18.825	2.750	-1.230	0.926	974.4	1443.5	498.0	80.0	1.045	1.106	0.998	-0.216	1.101	0.098	0.051	2.63	5.06
28	19.158	2.750	-1.230	0.928	975.7	1441.7	498.1	80.0	0.940	1.011	0.999	-0.025	1.006	0.088	0.047	2.66	4.98
30	19.491	2.750	-1.230	0.927	975.4	1443.1	498.4	80.0	0.988	0.964	0.997	0.068	0.961	0.060	0.044	2.62	3.60

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 570 3.000 2.00 24 1205 1.98

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AIL	SWL
3	10.500	-2.750	-1.230	0.924	972.3	1443.1	496.7	79.9	0.888	0.966	1.000	0.067	0.966	-0.018	0.031	1.86	-1.09
4	11.833	-2.750	-1.230	0.927	975.3	1443.5	498.6	79.9	0.814	0.893	0.999	0.209	0.893	0.003	0.002	0.14	0.20
6	13.166	-2.750	-1.230	0.924	972.0	1443.2	496.5	79.9	1.045	1.109	0.999	-0.219	1.108	0.006	-0.031	-1.61	0.32
7	14.499	-2.750	-1.230	0.926	974.2	1443.0	497.7	80.0	0.954	1.026	1.000	-0.052	1.024	0.022	-0.053	-2.96	1.23
8	15.832	-2.750	-1.230	0.926	974.0	1443.5	497.8	80.0	1.006	1.072	0.999	-0.147	1.072	0.009	0.000	0.01	0.40
9	17.165	-2.750	-1.230	0.926	973.8	1443.0	497.5	79.9	0.976	1.046	0.997	-0.097	1.043	-0.019	0.079	4.34	-1.06
11	18.498	-2.750	-1.230	0.925	973.5	1442.4	497.1	79.9	1.026	1.090	0.997	-0.185	1.087	-0.068	0.049	2.56	-3.56
13	19.831	-2.750	-1.230	0.927	974.8	1442.1	497.7	80.0	0.878	0.955	0.997	0.085	0.953	-0.037	0.035	2.09	-2.24

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 573 3.002 5.00 24 1201 5.00

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ALL	SWL
6	10.500	4.250	-1.230	0.926	973.9	1443.5	497.7	80.0	0.890	0.967	0.999	0.064	0.962	0.022	0.093	5.52	1.30
7	11.166	4.250	-1.230	0.926	974.0	1443.0	497.6	80.1	0.863	0.941	0.999	0.115	0.937	0.034	0.085	5.21	2.09
8	11.832	4.250	-1.230	0.927	974.9	1442.7	498.0	80.0	0.823	0.902	1.000	0.193	0.894	0.082	0.083	5.28	5.24
9	12.498	4.250	-1.230	0.929	976.6	1443.1	499.1	80.0	0.847	0.923	0.999	0.149	0.910	0.135	0.077	4.83	8.44
10	13.164	4.250	-1.230	0.925	973.0	1443.6	497.2	80.0	0.903	0.980	0.999	0.040	0.975	0.081	0.042	2.48	4.72
11	13.830	4.250	-1.230	0.927	975.6	1443.5	498.6	80.1	0.873	0.950	0.999	0.099	0.947	0.075	0.010	0.62	4.51
12	14.496	4.250	-1.230	0.924	972.5	1442.6	496.5	80.1	0.911	0.988	1.000	0.023	0.987	0.054	0.014	0.82	3.16
13	15.162	4.250	-1.230	0.926	974.5	1443.2	497.9	80.1	0.934	1.007	1.000	-0.015	1.006	0.037	0.026	1.49	2.11
16	15.828	4.250	-1.230	0.922	970.6	1442.4	495.4	80.0	0.947	1.023	0.999	-0.048	1.022	0.028	0.037	2.07	1.54
17	16.494	4.250	-1.230	0.925	973.8	1443.3	497.5	80.1	1.084	1.141	0.999	-0.285	1.138	-0.001	0.089	4.50	-0.04
18	17.160	4.250	-1.230	0.929	977.1	1444.5	499.9	80.1	1.027	1.088	0.998	-0.178	1.083	0.008	0.100	5.26	0.45
19	17.826	4.250	-1.230	0.929	976.5	1442.9	499.0	80.0	0.963	1.032	0.999	-0.065	1.027	0.024	0.096	5.31	1.34
20	18.492	4.250	-1.230	0.928	976.3	1443.2	498.9	80.1	1.014	1.077	0.999	-0.157	1.074	-0.018	0.082	4.39	-0.99
21	19.158	4.250	-1.230	0.930	977.8	1444.3	500.2	80.1	0.909	0.981	0.998	0.035	0.978	-0.021	0.073	4.27	-1.26
22	19.824	4.250	-1.230	0.929	976.6	1443.6	499.3	80.1	0.880	0.955	0.999	0.088	0.953	0.012	0.066	3.97	0.73

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARG, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 574 2.996 5.00 24 SURVEY ALFAS

1202

5.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4TDATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
3	10.500	3.500	-2.730	0.923	971.7	1442.3	496.0	80.0	0.888	0.967	1.000	0.065	0.964	0.020	0.078	4.63	1.18
4	10.833	3.500	-2.730	0.924	972.1	1442.7	496.4	79.9	0.879	0.959	0.999	0.061	0.955	0.022	0.074	4.45	1.35
5	11.166	3.500	-2.730	0.925	973.2	1444.1	497.4	80.1	0.871	0.950	0.999	0.098	0.947	0.025	0.068	4.11	1.53
6	11.499	3.500	-2.730	0.925	973.6	1443.1	497.4	80.0	0.862	0.941	0.999	0.116	0.938	0.028	0.060	3.66	1.69
7	11.832	3.500	-2.730	0.925	973.8	1443.6	497.7	80.0	0.855	0.934	0.999	0.130	0.932	0.031	0.048	2.97	1.90
8	12.165	3.500	-2.730	0.926	974.3	1442.4	497.5	80.0	0.853	0.932	1.000	0.136	0.930	0.033	0.036	2.21	2.04
9	12.498	3.500	-2.730	0.927	975.0	1443.5	498.4	79.9	0.863	0.940	0.999	0.118	0.939	0.036	0.026	1.50	2.19
10	12.831	3.500	-2.730	0.927	975.5	1442.5	498.3	80.0	0.882	0.957	1.000	0.084	0.956	0.038	0.026	1.53	2.28
11	13.164	3.500	-2.730	0.928	976.3	1443.3	499.0	80.1	0.901	0.975	1.000	0.051	0.973	0.038	0.029	1.71	2.25
12	13.497	3.500	-2.730	0.929	977.1	1442.7	499.2	80.1	0.906	0.979	1.000	0.042	0.978	0.038	0.030	1.77	2.25
13	13.830	3.500	-2.730	0.930	977.2	1442.3	495.7	80.0	0.903	0.981	1.000	0.037	0.980	0.038	0.029	1.72	2.24
14	14.163	3.500	-2.730	0.930	977.7	1444.8	500.3	80.1	0.912	0.983	0.999	0.031	0.982	0.038	0.028	1.55	2.20
15	14.496	3.500	-2.730	0.928	975.7	1443.5	498.7	80.1	0.920	0.993	0.999	0.012	0.992	0.037	0.029	1.66	2.15
16	14.829	3.500	-2.730	0.928	974.4	1442.6	497.7	80.0	0.928	1.002	1.000	-0.003	1.000	0.036	0.031	1.77	2.04
17	15.162	3.500	-2.730	0.928	975.9	1442.8	498.6	80.0	0.939	1.010	1.000	-0.021	1.009	0.034	0.033	1.86	1.95
18	15.495	3.500	-2.730	0.924	972.1	1442.8	496.4	80.0	0.944	1.019	1.000	-0.038	1.018	0.033	0.036	2.00	1.85
19	15.828	3.500	-2.730	0.925	973.7	1442.9	497.4	80.0	0.954	1.026	1.000	-0.053	1.025	0.031	0.038	2.12	1.73
20	16.161	3.500	-2.730	0.927	974.9	1442.8	498.0	80.0	0.968	1.038	1.000	-0.077	1.037	0.029	0.041	2.25	1.58
21	16.494	3.500	-2.730	0.928	975.6	1443.4	497.4	80.0	0.987	1.057	0.999	-0.115	1.055	0.028	0.048	2.59	1.50
22	16.827	3.500	-2.730	0.928	975.6	1443.2	498.6	80.0	1.021	1.084	0.999	-0.170	1.082	0.026	0.056	2.97	1.40
23	17.160	3.500	-2.730	0.928	975.9	1442.7	498.6	80.0	1.011	1.075	1.000	-0.152	1.073	0.028	0.062	3.28	1.52
24	17.493	3.500	-2.730	0.926	974.3	1443.5	497.9	80.0	0.978	1.048	1.000	-0.096	1.045	0.031	0.062	3.41	1.68
25	17.826	3.500	-2.730	0.928	976.3	1443.1	499.0	80.1	0.964	1.033	0.999	-0.066	1.030	0.033	0.062	3.46	1.82
26	18.159	3.500	-2.730	0.928	976.3	1443.2	498.9	80.1	0.958	1.027	1.000	-0.055	1.025	0.034	0.063	3.54	1.88
27	18.492	3.500	-2.730	0.927	974.8	1443.9	498.3	80.1	0.957	1.027	0.999	-0.056	1.025	0.034	0.068	3.78	1.89
28	18.825	3.500	-2.730	0.928	976.1	1443.4	498.9	80.1	0.947	1.017	0.959	-0.036	1.014	0.034	0.071	4.00	1.92
29	19.158	3.500	-2.730	0.928	975.8	1443.5	498.7	80.1	0.930	1.002	0.999	-0.005	0.999	0.034	0.070	3.99	1.96
30	19.491	3.500	-2.730	0.927	975.1	1443.1	498.2	80.1	0.911	0.985	1.000	0.029	0.983	0.034	0.063	3.88	1.96

DATE 9-MAR-78 PROJECT NO PAIC-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 575 2.999 5.00 24

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AL	SL
2	10.500	3.500	-1.980	0.924	972.9	1442.7	496.8	80.0	0.883	0.961	0.999	0.077	0.957	0.024	0.084	5.01	1.42
3	10.833	3.500	-1.980	0.926	973.8	1444.0	497.8	80.0	0.872	0.950	0.999	0.098	0.946	0.028	0.080	4.82	1.68
4	11.166	3.500	-1.980	0.925	973.6	1442.3	497.1	80.0	0.856	0.935	1.000	0.128	0.932	0.032	0.073	4.47	1.98
5	11.499	3.500	-1.980	0.927	975.0	1443.7	498.4	80.0	0.837	0.916	0.999	0.165	0.913	0.037	0.058	3.63	2.34
6	11.832	3.500	-1.980	0.927	975.1	1442.8	498.1	80.1	0.814	0.894	1.000	0.209	0.892	0.044	0.029	1.85	2.83
7	12.165	3.500	-1.980	0.927	974.8	1442.7	497.9	80.1	0.799	0.879	1.000	0.240	0.877	0.053	-0.013	-0.87	3.43
8	12.498	3.500	-1.980	0.926	974.1	1443.7	497.8	80.2	0.824	0.904	1.000	0.190	0.901	0.059	-0.042	-2.65	3.76
9	12.831	3.500	-1.980	0.925	973.2	1443.7	497.3	80.1	0.887	0.965	0.999	0.069	0.962	0.063	-0.025	-1.48	3.73
10	13.164	3.500	-1.980	0.925	973.2	1443.1	497.0	80.2	0.939	1.013	1.000	-0.027	1.011	0.063	0.013	0.72	3.56
11	13.497	3.500	-1.980	0.926	974.5	1443.8	498.1	80.1	0.905	0.981	0.999	0.038	0.979	0.061	0.013	0.74	3.59
12	13.830	3.500	-1.980	0.926	974.6	1442.0	497.6	80.1	0.893	0.969	1.000	0.062	0.967	0.061	0.009	0.52	3.52
13	14.163	3.500	-1.980	0.924	972.7	1443.4	496.9	80.1	0.900	0.978	1.000	0.044	0.976	0.060	0.008	0.47	3.53
14	14.496	3.500	-1.980	0.925	973.0	1443.3	497.1	80.1	0.911	0.988	1.000	0.024	0.986	0.058	0.009	0.55	3.56
15	14.829	3.500	-1.980	0.926	974.0	1442.8	497.5	80.0	0.927	1.001	1.000	-0.003	1.000	0.055	0.013	0.74	3.58
16	15.162	3.500	-1.980	0.926	974.6	1442.1	497.6	80.0	0.938	1.011	1.000	-0.021	1.009	0.052	0.016	0.59	2.87
17	15.495	3.500	-1.980	0.929	976.8	1442.9	499.3	79.9	0.945	1.015	1.000	-0.030	1.013	0.050	0.018	1.01	2.84
18	15.828	3.500	-1.980	0.928	976.0	1443.4	498.9	80.1	0.957	1.027	1.000	-0.054	1.026	0.046	0.021	1.15	2.57
19	16.161	3.500	-1.980	0.926	974.0	1443.0	497.6	80.0	0.970	1.041	0.999	-0.082	1.039	0.045	0.028	1.52	2.47
20	16.494	3.500	-1.980	0.928	975.9	1443.5	499.0	80.1	1.021	1.084	0.999	-0.170	1.083	0.041	0.035	1.84	2.17
21	16.827	3.500	-1.980	0.929	977.4	1442.6	499.4	80.0	1.049	1.106	1.000	-0.214	1.105	0.041	0.047	2.41	2.12
22	17.160	3.500	-1.980	0.925	973.6	1442.7	497.2	80.0	1.001	1.069	1.000	-0.136	1.067	0.046	0.049	2.63	2.49
23	17.493	3.500	-1.980	0.927	974.6	1442.8	497.9	79.9	0.966	1.036	0.999	-0.073	1.034	0.050	0.048	2.64	2.75
24	17.826	3.500	-1.980	0.928	976.3	1443.1	498.9	80.0	0.951	1.021	0.999	-0.043	1.019	0.052	0.047	2.66	2.92
25	18.159	3.500	-1.980	0.927	975.6	1443.6	498.7	80.0	0.956	1.026	0.999	-0.054	1.024	0.051	0.053	2.54	2.58
26	18.492	3.500	-1.980	0.930	977.5	1443.2	499.7	79.9	1.057	1.113	0.999	-0.229	1.108	0.051	0.095	4.69	2.63
27	18.825	3.500	-1.980	0.928	975.8	1442.4	498.4	80.0	1.036	1.097	1.000	-0.195	1.091	0.050	0.105	5.49	2.51
28	19.158	3.500	-1.980	0.927	974.8	1443.1	498.1	80.0	0.932	1.005	0.999	-0.011	1.000	0.049	0.091	5.19	2.79
29	19.491	3.500	-1.980	0.928	976.4	1442.1	498.7	79.9	0.890	0.964	0.999	0.070	0.961	0.048	0.066	3.96	2.88

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 576 2.994 5.00 24 1204 4.99

DATE 2-21-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AIL	SWL
2	10.500	2.750	-1.230	0.921	970.2	1442.1	495.0	80.0	0.864	0.946	0.999	0.107	0.941	0.030	0.091	5.50	1.84
3	10.833	2.750	-1.230	0.922	970.4	1443.0	495.5	80.0	0.847	0.926	0.999	0.139	0.925	0.036	0.084	5.21	2.26
4	11.166	2.750	-1.230	0.923	971.5	1443.0	496.2	79.9	0.826	0.908	0.999	0.181	0.904	0.042	0.073	4.60	2.64
5	11.499	2.750	-1.230	0.923	971.1	1442.0	495.6	79.9	0.801	0.884	1.000	0.228	0.881	0.040	0.059	3.81	2.57
6	11.832	2.750	-1.230	0.924	972.2	1442.3	496.3	80.0	0.713	0.796	1.000	0.396	0.794	0.016	0.046	3.30	1.18
7	12.165	2.750	-1.230	0.924	972.4	1442.3	496.4	79.9	0.563	0.640	1.000	0.669	0.637	-0.034	0.041	3.67	3.02
8	12.498	2.750	-1.230	0.925	973.7	1442.9	497.4	79.9	0.766	0.847	0.999	0.298	0.845	-0.064	0.023	1.57	4.34
9	12.831	2.750	-1.230	0.926	974.1	1442.5	497.5	80.0	0.852	0.931	0.999	0.136	0.929	-0.044	0.013	0.78	2.73
10	13.164	2.750	-1.230	0.927	974.6	1442.6	497.9	79.9	0.902	0.977	1.000	0.045	0.977	-0.001	-0.001	-0.05	-0.05
11	13.497	2.750	-1.230	0.928	976.5	1443.6	499.2	80.1	0.868	0.944	0.999	0.111	0.944	-0.007	-0.018	-1.07	-0.44
12	13.830	2.750	-1.230	0.928	976.4	1443.3	499.1	80.0	0.858	0.935	0.999	0.128	0.934	-0.017	-0.035	-2.16	-1.03
13	14.163	2.750	-1.230	0.925	972.9	1443.4	497.1	79.9	0.872	0.951	0.999	0.056	0.950	-0.021	-0.045	-2.70	-1.25
14	14.496	2.750	-1.230	0.926	974.3	1443.4	497.9	80.0	0.900	0.976	0.999	0.046	0.975	-0.017	-0.040	-2.37	-1.53
15	14.829	2.750	-1.230	0.927	974.7	1442.0	497.7	79.9	0.924	0.998	1.000	0.003	0.998	-0.014	-0.028	-1.61	-0.78
16	15.162	2.750	-1.230	0.924	976.6	1443.2	497.2	80.0	0.936	1.007	0.999	-0.015	1.007	-0.009	-0.018	-1.01	-0.54
21	15.495	2.750	-1.230	0.924	972.2	1442.8	496.5	79.9	0.934	1.010	1.000	-0.020	1.010	-0.008	-0.010	-0.55	-0.47
22	15.828	2.750	-1.230	0.925	973.5	1442.2	497.0	80.0	0.944	1.018	0.999	-0.036	1.018	-0.007	-0.001	-0.07	-0.42
23	16.161	2.750	-1.230	0.926	974.3	1442.1	497.6	79.8	1.021	1.085	1.000	-0.171	1.085	-0.000	0.025	1.32	-0.01
24	16.494	2.750	-1.230	0.929	976.7	1443.6	499.4	80.0	1.103	1.153	0.999	-0.308	1.150	0.016	0.077	3.84	0.76
25	16.827	2.750	-1.230	0.928	975.7	1443.1	498.6	80.0	1.057	1.115	0.999	-0.233	1.112	0.018	0.066	4.44	0.95
26	17.160	2.750	-1.230	0.929	976.8	1443.7	499.5	79.9	0.969	1.037	0.999	-0.076	1.034	0.015	0.081	4.47	0.81
27	17.493	2.750	-1.230	0.927	974.9	1442.6	498.0	79.9	0.938	1.011	0.998	-0.024	1.008	0.011	0.071	4.01	0.64
28	17.826	2.750	-1.230	0.928	975.9	1442.5	498.6	79.9	0.924	0.996	0.999	0.006	0.994	0.010	0.064	3.67	0.58
29	18.159	2.750	-1.230	0.929	976.1	1443.4	499.0	79.9	0.934	1.005	0.998	-0.014	1.004	0.021	0.055	3.16	1.18
30	18.492	2.750	-1.230	0.928	975.9	1442.6	498.5	80.0	1.077	1.132	0.998	-0.267	1.127	0.095	0.052	2.63	4.83
31	18.825	2.750	-1.230	0.927	975.4	1442.2	498.2	79.9	1.052	1.111	0.999	-0.225	1.105	0.111	0.048	2.49	5.73
32	19.158	2.750	-1.230	0.929	976.3	1443.4	499.2	79.8	0.933	1.004	0.998	-0.011	0.998	0.097	0.042	2.44	5.58
33	19.491	2.750	-1.230	0.928	975.7	1442.5	498.5	79.8	0.886	0.961	0.999	0.075	0.958	0.071	0.037	2.22	4.26

DATE 9-MAR-78 PROJECT NO P41C-NOC

ASD, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARKOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS
TC-532 577 3.003 5.00 24 1205 4.98

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	10.500	-2.750	-1.230	0.927	975.5	1443.2	498.6	80.0	0.867	0.943	0.999	0.110	0.938	-0.032	0.091	5.56	-1.98
4	11.833	-2.750	-1.230	0.925	972.9	1443.1	497.0	79.9	0.716	0.798	0.999	0.390	0.797	-0.018	0.045	3.76	-1.29
5	13.166	-2.750	-1.230	0.927	975.2	1442.1	498.0	79.9	0.903	0.978	1.000	0.044	0.978	-0.010	-0.001	-0.04	-0.58
8	14.499	-2.750	-1.230	0.926	974.2	1443.3	497.9	79.9	0.906	0.982	1.000	0.036	0.981	0.011	-0.036	-2.24	0.63
9	15.832	-2.750	-1.230	0.927	975.3	1442.5	498.3	79.8	0.962	1.032	1.000	-0.064	1.032	0.001	-0.000	-0.00	0.08
11	17.165	-2.750	-1.230	0.928	975.6	1443.3	498.7	79.9	0.959	1.029	0.999	-0.060	1.026	-0.021	0.076	4.22	-1.18
13	18.498	-2.750	-1.230	0.928	975.7	1443.4	498.8	79.9	1.041	1.101	0.998	-0.206	1.097	-0.085	0.048	2.50	-4.41
15	19.831	-2.750	-1.230	0.927	975.4	1442.1	498.1	79.9	0.878	0.954	0.998	0.088	0.952	-0.049	0.033	1.96	-2.97

DATE 8-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALPIS

TC-532 478 3.000 0.00 24 601 0.02

DATE 2-21-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
8	10.500	4.250	-1.230	0.952	1005.8	1460.4	517.2	89.1	0.927	0.977	1.000	0.046	0.977	0.009	-0.003	-0.16	0.52
9	10.833	4.250	-1.230	0.953	1006.7	1460.3	517.7	88.9	0.918	0.969	0.999	0.061	0.969	0.012	-0.004	-0.22	0.72
10	11.166	4.250	-1.230	0.953	1007.2	1460.3	517.9	89.1	0.907	0.958	1.000	0.083	0.958	0.016	-0.005	-0.32	0.99
11	11.499	4.250	-1.230	0.954	1007.7	1460.3	518.0	89.0	0.890	0.942	1.000	0.115	0.942	0.026	-0.007	-0.45	1.58
12	11.832	4.250	-1.230	0.948	1001.5	1459.2	514.8	88.2	0.861	0.921	0.999	0.156	0.920	0.050	-0.009	-0.57	3.11
13	12.165	4.250	-1.230	0.947	999.0	1453.1	512.0	86.6	0.849	0.910	1.000	0.178	0.906	0.083	-0.012	-0.73	5.26
14	12.498	4.250	-1.230	0.949	999.9	1450.9	512.1	86.0	0.871	0.929	0.999	0.139	0.923	0.108	-0.016	-1.02	6.66
15	12.831	4.250	-1.230	0.949	1000.2	1449.1	511.8	85.6	0.956	1.006	1.000	-0.013	1.002	0.092	-0.027	-1.55	5.24
16	13.164	4.250	-1.230	0.949	1000.1	1447.1	511.2	85.3	1.090	1.121	1.001	-0.241	1.119	0.042	-0.042	-2.17	2.16
17	13.497	4.250	-1.230	0.950	998.2	1440.2	509.0	82.8	0.997	1.041	1.000	-0.084	1.040	0.028	-0.054	-3.00	1.52
18	13.830	4.250	-1.230	0.951	999.0	1438.1	509.0	82.2	0.921	0.973	0.999	0.052	0.970	0.036	-0.064	-3.78	2.15
19	14.163	4.250	-1.230	0.953	1000.4	1436.7	509.4	81.9	0.937	0.985	0.995	0.028	0.983	0.035	-0.066	-3.85	2.03
20	14.496	4.250	-1.230	0.952	998.8	1434.1	507.8	81.5	0.989	1.033	1.000	-0.067	1.031	0.026	-0.059	-3.26	1.47
21	14.829	4.250	-1.230	0.951	997.3	1434.2	507.2	81.2	1.036	1.075	1.000	-0.150	1.073	0.016	-0.046	-2.45	0.98
22	15.162	4.250	-1.230	0.953	998.8	1434.2	508.2	81.0	1.045	1.080	0.999	-0.161	1.080	0.007	-0.033	-1.76	0.39
23	15.495	4.250	-1.230	0.953	999.2	1431.0	507.3	80.8	1.029	1.066	0.999	-0.134	1.066	0.002	-0.023	-1.25	0.13
26	15.828	4.250	-1.230	0.946	992.8	1430.9	504.0	80.3	1.029	1.072	0.998	-0.148	1.072	-0.001	-0.016	-0.86	-0.06
27	16.161	4.250	-1.230	0.952	997.2	1429.8	506.2	80.1	1.077	1.108	0.999	-0.219	1.108	-0.006	-0.000	-0.31	-0.33
28	16.494	4.250	-1.230	0.954	999.0	1430.2	507.4	80.0	1.135	1.154	0.999	-0.308	1.153	-0.020	0.031	1.55	-0.90
30	16.827	4.250	-1.230	0.950	995.5	1427.4	504.6	79.6	1.166	1.182	0.996	-0.367	1.180	-0.036	0.068	3.32	-1.75
31	17.160	4.250	-1.230	0.952	997.4	1428.1	505.9	79.6	1.154	1.170	0.993	-0.349	1.168	-0.019	0.076	3.70	-0.95
32	17.493	4.250	-1.230	0.954	998.9	1428.2	506.5	79.4	1.096	1.121	0.989	-0.256	1.120	-0.004	0.052	2.66	-0.22
33	17.826	4.250	-1.230	0.952	996.7	1428.3	505.8	79.2	1.047	1.083	0.988	-0.169	1.082	-0.004	0.028	1.51	-0.20
34	18.159	4.250	-1.230	0.953	997.5	1426.9	505.8	79.2	0.965	1.011	0.999	-0.023	1.010	-0.015	0.023	1.29	-0.55
35	18.492	4.250	-1.230	0.949	993.7	1426.1	503.5	78.9	0.976	1.024	0.999	-0.050	1.023	-0.047	0.022	1.25	-0.62
36	18.825	4.250	-1.230	0.949	994.1	1424.0	503.0	78.8	0.970	1.019	1.000	-0.038	1.017	-0.063	0.016	0.89	-3.54
37	19.158	4.250	-1.230	0.952	996.2	1424.7	504.5	78.7	0.935	0.985	1.000	0.030	0.983	-0.062	0.011	0.65	-3.62
38	19.491	4.250	-1.230	0.952	996.4	1423.8	504.3	78.7	0.903	0.956	1.000	0.087	0.955	-0.050	0.009	0.53	-3.99

8-MAR-78 PROJECT NO P41C-N0C

AFD, INC.

AEDC DIVISION

A. SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 480 2.992 0.00 24

SURVEY ALFAS

603 0.02

DATE

2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SHL
1	10.500	4.250	-1.980	0.945	988.4	1417.1	498.5	76.7	0.923	0.980	1.000	0.039	0.980	0.008	-0.005	-0.28	0.45
2	11.166	4.250	-1.980	0.947	990.1	1418.5	499.9	76.7	0.909	0.965	0.999	0.068	0.965	0.014	-0.010	-0.62	0.81
3	11.832	4.250	-1.980	0.949	991.6	1419.0	500.9	76.7	0.884	0.941	1.000	0.117	0.940	0.032	-0.027	-1.66	1.94
4	12.498	4.250	-1.980	0.950	993.0	1419.9	501.7	76.7	0.896	0.951	0.999	0.097	0.948	0.056	-0.050	-3.05	3.36
5	13.164	4.250	-1.980	0.952	994.0	1417.7	501.8	76.7	1.068	1.101	1.000	-0.202	1.100	0.022	-0.032	-1.69	1.17
6	13.830	4.250	-1.980	0.953	995.5	1418.6	503.0	76.7	0.958	1.005	0.999	-0.010	1.004	0.011	-0.037	-2.10	0.62
7	14.496	4.250	-1.980	0.950	992.2	1416.3	500.5	76.5	0.986	1.032	1.000	-0.064	1.032	0.007	-0.035	-1.96	0.36
8	15.162	4.250	-1.980	0.950	992.1	1418.3	501.1	76.5	1.054	1.091	0.999	-0.184	1.091	-0.002	-0.018	-0.96	-0.11
9	15.828	4.250	-1.980	0.953	994.6	1418.4	502.6	76.4	1.062	1.095	0.999	-0.192	1.095	-0.008	-0.004	-0.23	-0.39
10	16.494	4.250	-1.980	0.951	993.5	1417.1	501.5	76.4	1.085	1.115	0.999	-0.233	1.115	-0.013	0.009	0.44	-0.56
11	17.160	4.250	-1.980	0.948	990.6	1415.9	499.6	76.2	1.140	1.163	0.998	-0.328	1.162	-0.021	0.043	2.10	-1.03
12	17.826	4.250	-1.980	0.953	994.5	1417.1	502.1	76.3	1.064	1.096	0.994	-0.200	1.096	-0.008	0.022	1.17	-0.52
13	18.492	4.250	-1.980	0.953	995.2	1417.9	502.8	76.3	0.941	0.989	0.997	0.016	0.989	-0.023	0.024	1.41	-1.32
14	19.158	4.250	-1.980	0.954	995.4	1417.8	502.8	76.3	0.932	0.980	0.998	0.036	0.979	-0.037	0.032	1.87	-2.15
15	19.824	4.250	-1.980	0.946	988.6	1416.3	498.5	76.3	0.898	0.956	0.996	0.081	0.956	-0.022	0.019	1.16	-1.29

DATE 8-MAR-78 PROJECT NO P41C-NOC

Y APO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 479 3.000 0.00 24 602 0.02

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-2.730	0.951	994.6	1423.8	503.5	78.3	0.932	0.983	0.999	0.032	0.983	0.007	-0.006	-0.36	0.40
2	11.166	4.250	-2.730	0.952	995.9	1423.6	504.2	78.2	0.920	0.971	0.999	0.056	0.971	0.010	-0.012	-0.68	0.61
3	11.832	4.250	-2.730	0.953	996.3	1422.3	504.0	78.2	0.906	0.958	1.000	0.084	0.958	0.018	-0.024	-1.45	1.10
4	12.498	4.250	-2.730	0.955	998.0	1423.5	505.4	78.1	0.917	0.967	0.999	0.066	0.965	0.027	-0.038	-2.27	1.59
7	13.164	4.250	-2.730	0.950	993.8	1423.5	503.1	77.9	1.015	1.057	0.999	-0.116	1.057	0.016	-0.028	-1.54	0.89
8	13.830	4.250	-2.730	0.952	995.6	1422.5	503.9	77.8	0.975	1.020	1.000	-0.040	1.019	0.010	-0.026	-1.44	0.54
10	14.496	4.250	-2.730	0.954	997.3	1422.1	504.7	77.6	0.987	1.028	0.999	-0.058	1.028	0.007	-0.025	-1.41	0.38
14	15.162	4.250	-2.730	0.948	991.7	1420.8	501.3	77.4	1.040	1.080	1.000	-0.160	1.080	0.000	-0.014	-0.76	0.02
15	15.828	4.250	-2.730	0.952	995.2	1422.0	503.7	77.4	1.067	1.099	0.999	-0.199	1.099	-0.006	0.000	0.02	-0.33
16	16.494	4.250	-2.730	0.952	995.1	1420.9	503.2	77.4	1.070	1.102	0.999	-0.206	1.102	-0.012	0.008	0.40	-0.62
17	17.160	4.250	-2.730	0.952	995.3	1420.5	503.2	77.3	1.112	1.136	0.999	-0.274	1.136	-0.017	0.024	1.24	-0.88
18	17.826	4.250	-2.730	0.949	992.2	1418.8	501.0	77.2	1.075	1.109	0.997	-0.221	1.108	-0.015	0.031	1.60	-0.78
19	18.492	4.250	-2.730	0.953	995.5	1419.5	503.0	77.2	0.919	0.970	0.996	0.055	0.969	-0.016	0.025	1.46	-0.93
20	19.158	4.250	-2.730	0.952	994.2	1420.5	502.8	76.9	0.925	0.976	0.996	0.041	0.976	-0.020	0.027	1.61	-1.17
21	19.824	4.250	-2.730	0.951	993.3	1420.1	502.2	76.9	0.912	0.966	0.996	0.061	0.965	-0.015	0.019	1.11	-0.92

DATE 8-MAR-78 PROJECT NO P4IC-N0C

AEU, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 481 3.000 0.00 24

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SNL
1	10.500	3.500	-2.730	0.950	991.8	1416.8	500.6	76.2	0.928	0.981	1.000	0.038	0.981	0.006	-0.008	-0.48	0.33
2	10.833	3.500	-2.730	0.950	992.2	1417.2	501.0	76.1	0.921	0.974	0.999	0.052	0.973	0.007	-0.011	-0.64	0.41
3	11.166	3.500	-2.730	0.951	992.6	1416.7	501.1	76.1	0.914	0.967	0.999	0.065	0.967	0.008	-0.015	-0.88	0.48
4	11.499	3.500	-2.730	0.951	992.7	1415.4	500.6	76.1	0.905	0.959	1.000	0.081	0.959	0.009	-0.021	-1.27	0.56
6	11.832	3.500	-2.730	0.952	993.4	1415.7	501.1	76.1	0.898	0.951	1.000	0.096	0.951	0.011	-0.032	-1.93	0.53
7	12.165	3.500	-2.730	0.950	992.2	1415.9	500.5	76.1	0.897	0.952	1.000	0.094	0.951	0.012	-0.045	-2.71	0.72
8	12.498	3.500	-2.730	0.952	993.3	1416.9	501.5	76.0	0.907	0.960	0.999	0.078	0.958	0.013	-0.052	-3.12	0.77
9	12.831	3.500	-2.730	0.951	993.2	1416.2	501.2	76.1	0.947	0.996	1.000	0.007	0.995	0.013	-0.049	-2.82	0.74
10	13.164	3.500	-2.730	0.952	994.0	1416.0	501.6	76.0	1.037	1.073	1.000	-0.148	1.073	0.011	-0.034	-1.80	0.56
11	13.497	3.500	-2.730	0.954	995.3	1415.6	502.1	76.1	1.033	1.069	0.999	-0.140	1.069	0.008	-0.025	-1.35	0.42
12	13.830	3.500	-2.730	0.955	996.2	1415.9	502.8	75.9	0.980	1.022	0.999	-0.045	1.022	0.006	-0.026	-1.47	0.35
13	14.163	3.500	-2.730	0.950	992.2	1415.4	500.4	76.0	0.970	1.018	1.000	-0.036	1.017	0.005	-0.027	-1.52	0.26
15	14.496	3.500	-2.730	0.952	993.3	1415.7	501.1	76.0	0.990	1.034	1.000	-0.068	1.033	0.003	-0.025	-1.38	0.14
16	14.829	3.500	-2.730	0.952	993.9	1414.5	501.0	75.9	1.025	1.063	1.000	-0.127	1.063	0.001	-0.020	-1.07	0.03
17	15.162	3.500	-2.730	0.954	995.7	1415.4	502.3	75.9	1.048	1.082	0.999	-0.165	1.082	-0.002	-0.013	-0.88	-0.08
18	15.495	3.500	-2.730	0.946	988.1	1414.3	497.7	75.9	1.062	1.101	0.999	-0.203	1.101	-0.004	-0.004	-0.19	-0.23
19	15.828	3.500	-2.730	0.947	989.4	1414.8	498.7	75.7	1.070	1.106	0.999	-0.214	1.106	-0.007	0.004	0.21	-0.38
20	16.161	3.500	-2.730	0.949	990.8	1414.0	499.1	75.9	1.074	1.108	0.999	-0.218	1.108	-0.010	0.008	0.43	-0.52
21	16.494	3.500	-2.730	0.951	992.6	1414.5	500.4	75.7	1.073	1.106	0.998	-0.214	1.106	-0.013	0.011	0.56	-0.55
22	16.827	3.500	-2.730	0.953	994.7	1416.2	502.2	75.8	1.090	1.117	0.999	-0.237	1.117	-0.014	0.017	0.87	-0.73
23	17.160	3.500	-2.730	0.953	994.2	1415.6	501.8	75.8	1.117	1.141	0.999	-0.283	1.140	-0.017	0.029	1.46	-0.83
24	17.493	3.500	-2.730	0.952	993.6	1416.0	501.5	75.7	1.138	1.158	0.998	-0.316	1.157	-0.018	0.042	2.10	-0.92
25	17.826	3.500	-2.730	0.953	994.9	1414.0	501.5	75.8	1.125	1.146	0.998	-0.295	1.145	-0.016	0.043	2.15	-0.82
26	18.159	3.500	-2.730	0.952	993.2	1414.6	500.9	75.6	0.931	0.982	0.996	0.030	0.981	-0.011	0.027	1.55	-0.62
27	18.492	3.500	-2.730	0.953	994.7	1414.9	501.7	75.7	0.923	0.973	0.996	0.048	0.973	-0.011	0.028	1.63	-0.65
29	18.825	3.500	-2.730	0.946	988.0	1413.4	497.5	75.6	0.938	0.993	0.997	0.009	0.992	-0.013	0.036	2.05	-0.73
30	19.158	3.500	-2.730	0.948	989.5	1413.7	498.6	75.5	0.929	0.983	0.997	0.029	0.983	-0.013	0.034	1.99	-0.76
31	19.491	3.500	-2.730	0.950	991.7	1413.0	499.4	75.7	0.914	0.968	0.997	0.058	0.967	-0.012	0.030	1.77	-0.73

TE 8-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 492 2,997 0.00 24 605 0.02

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
1	10.500	3.500	-1.980	0.949	990.7	1413.8	499.2	75.6	0.922	0.976	1.000	0.048	0.976	0.007	-0.007	-0.40	0.44
2	10.833	3.500	-1.980	0.950	991.3	1414.4	497.7	75.6	0.914	0.988	1.000	0.063	0.968	0.009	-0.009	-0.55	0.54
3	11.166	3.500	-1.980	0.950	992.0	1414.7	500.2	75.6	0.905	0.959	0.999	0.080	0.959	0.011	-0.014	-0.82	0.83
4	11.499	3.500	-1.980	0.951	992.0	1413.7	499.9	75.5	0.897	0.943	0.999	0.113	0.942	0.013	-0.023	-1.42	0.80
5	11.832	3.500	-1.980	0.951	992.1	1413.2	499.8	75.5	0.889	0.916	1.000	0.167	0.915	0.017	-0.049	-3.05	1.09
6	12.165	3.500	-1.980	0.952	993.3	1414.6	501.0	75.4	0.884	0.901	1.000	0.195	0.897	0.023	-0.088	-5.60	1.44
7	12.498	3.500	-1.980	0.954	994.6	1414.9	501.8	75.4	0.869	0.923	0.999	0.150	0.916	0.026	-0.113	-7.05	1.81
8	12.831	3.500	-1.980	0.954	995.1	1414.0	501.7	75.5	1.000	1.040	0.999	-0.082	1.035	0.024	-0.093	-5.14	1.35
11	13.164	3.500	-1.980	0.953	993.7	1412.8	500.6	75.4	1.119	1.142	1.000	-0.284	1.141	0.015	-0.034	-1.69	0.73
12	13.497	3.500	-1.980	0.954	995.0	1413.5	501.5	75.5	1.081	1.109	1.000	-0.219	1.109	0.006	-0.017	-0.88	0.29
13	13.830	3.500	-1.980	0.950	991.4	1413.9	499.7	75.4	0.947	0.997	1.000	0.005	0.997	0.005	-0.030	-1.71	0.27
14	14.163	3.500	-1.980	0.951	992.3	1413.5	500.1	75.4	0.935	1.004	1.000	-0.007	1.003	0.003	-0.031	-1.79	0.19
15	14.496	3.500	-1.980	0.953	994.3	1414.6	501.5	75.5	1.000	1.041	0.999	-0.083	1.041	-0.000	-0.028	-1.56	-0.01
16	14.829	3.500	-1.980	0.954	994.6	1413.0	501.1	75.5	1.045	1.080	0.999	-0.160	1.079	-0.003	-0.022	-1.16	0.16
17	15.162	3.500	-1.980	0.952	992.9	1412.8	500.2	75.4	1.075	1.106	1.000	-0.212	1.106	-0.006	-0.012	-0.62	0.23
18	15.495	3.500	-1.980	0.951	992.0	1415.0	500.4	75.5	1.089	1.119	0.999	-0.239	1.119	-0.011	-0.004	-0.20	0.55
19	15.828	3.500	-1.980	0.952	993.6	1415.4	501.4	75.5	1.099	1.126	0.999	-0.253	1.126	-0.015	0.002	0.08	0.78
20	16.161	3.500	-1.980	0.954	995.1	1415.2	503.1	75.5	1.096	1.132	0.998	-0.247	1.122	-0.019	0.004	0.23	0.95
23	16.494	3.500	-1.980	0.946	987.8	1414.2	497.8	75.5	1.099	1.133	0.999	-0.266	1.132	-0.022	0.010	0.51	1.13
24	16.827	3.500	-1.980	0.952	993.4	1414.9	501.2	75.4	1.119	1.142	0.998	-0.288	1.142	-0.021	0.018	0.93	1.08
25	17.160	3.500	-1.980	0.953	994.0	1412.6	500.7	75.4	1.137	1.156	0.998	-0.314	1.156	-0.022	0.029	1.46	1.39
30	17.493	3.500	-1.980	0.951	992.5	1415.1	500.8	75.4	1.132	1.154	0.996	-0.313	1.153	-0.023	0.028	1.41	1.13
31	17.826	3.500	-1.980	0.952	993.5	1414.0	500.9	75.4	1.071	1.102	0.996	-0.211	1.102	-0.016	0.017	0.91	-0.82
32	18.159	3.500	-1.980	0.954	995.2	1414.3	501.9	75.4	0.994	1.035	0.997	-0.074	1.034	-0.015	0.022	1.22	0.81
33	18.492	3.500	-1.980	0.953	994.0	1414.9	501.5	75.4	1.048	1.082	0.998	-0.168	1.080	-0.023	0.064	3.41	1.21
34	18.825	3.500	-1.980	0.953	994.0	1417.1	500.6	75.3	1.045	1.080	0.999	-0.161	1.076	-0.027	0.081	4.31	1.42
35	19.158	3.500	-1.980	0.952	993.4	1412.5	500.4	75.3	0.980	1.034	0.999	-0.050	1.021	-0.027	0.078	4.38	1.51
36	19.491	3.500	-1.980	0.953	994.4	1415.0	501.7	75.4	0.909	0.960	0.998	0.077	0.958	-0.023	0.056	3.37	1.40

DATE 8-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SYNDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG 24

TC-532 483 3.000 0.00 SURVEY ALFAS 606 0.02

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
1	10.500	2.750	-2.730	0.950	991.2	1414.2	499.7	75.4	0.926	0.979	1.000	0.042	0.979	0.004	-0.009	-0.54	0.24
2	11.166	2.750	-2.730	0.951	992.6	1413.8	500.3	75.4	0.912	0.965	0.999	0.069	0.965	0.004	-0.016	-0.97	0.27
3	11.832	2.750	-2.730	0.952	993.1	1413.3	500.5	75.3	0.900	0.953	1.000	0.092	0.953	0.002	-0.030	-1.80	0.12
4	12.498	2.750	-2.730	0.953	994.2	1413.6	501.2	75.3	0.911	0.962	1.000	0.076	0.961	-0.004	-0.049	-2.92	-0.25
6	13.164	2.750	-2.730	0.954	995.0	1413.7	501.7	75.4	1.032	1.068	1.000	-0.136	1.067	0.003	-0.035	-1.88	0.16
7	13.830	2.750	-2.730	0.952	992.8	1413.7	500.4	75.3	0.980	1.026	0.999	-0.052	1.025	0.003	-0.027	-1.51	0.17
8	14.496	2.750	-2.730	0.954	994.9	1413.2	501.4	75.3	0.996	1.037	0.999	-0.076	1.037	0.000	-0.024	-1.32	0.03
9	15.162	2.750	-2.730	0.950	991.7	1412.1	499.3	75.3	1.050	1.087	1.000	-0.175	1.087	-0.002	-0.010	-0.54	-0.09
10	15.828	2.750	-2.730	0.950	991.2	1413.1	499.3	75.4	1.083	1.115	0.999	-0.232	1.115	-0.005	0.012	0.59	-0.24
11	16.494	2.750	-2.730	0.953	993.8	1414.2	501.3	75.2	1.087	1.115	0.998	-0.233	1.115	-0.011	0.017	0.86	-0.54
12	17.160	2.750	-2.730	0.950	991.4	1412.1	499.2	75.1	1.118	1.143	0.999	-0.268	1.143	-0.014	0.035	1.73	-0.63
13	17.826	2.750	-2.730	0.948	989.6	1412.7	498.5	75.3	0.996	1.042	0.998	-0.087	1.041	-0.007	0.032	1.76	-0.39
14	18.492	2.750	-2.730	0.952	992.7	1412.5	500.0	75.2	0.926	0.977	0.997	0.040	0.977	-0.004	0.030	1.75	-0.21
15	19.158	2.750	-2.730	0.952	993.0	1413.1	500.4	75.2	0.927	0.978	0.997	0.039	0.977	-0.002	0.033	1.94	-0.11
16	19.824	2.750	-2.730	0.954	994.5	1412.8	501.1	75.3	0.911	0.962	0.996	0.070	0.961	-0.005	0.025	1.48	-0.31

DATE 8-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARMOLD AIR FORCE STATION, TENNESSEE

TEST PART HX10-6 ALFA CONFIG

TC-532 484 2.996 0.00 24 SURVEY ALFAS

1.607 0.02

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	2.750	-1.980	0.948	989.8	1412.5	498.4	75.3	0.920	0.975	1.000	0.051	0.975	0.006	-0.009	-0.51	0.36
7	11.146	2.750	-1.980	0.949	990.8	1412.4	498.9	75.3	0.900	0.956	1.000	0.088	0.956	0.006	-0.017	-1.04	0.37
8	11.832	2.750	-1.980	0.951	992.2	1412.7	499.8	75.2	0.870	0.927	1.000	0.145	0.926	-0.007	-0.040	-2.49	-0.41
9	12.498	2.750	-1.980	0.951	992.4	1410.8	499.2	75.3	0.882	0.937	1.000	0.126	0.934	-0.030	-0.074	-4.56	-1.87
10	13.164	2.750	-1.980	0.953	994.0	1412.0	500.6	75.2	1.089	1.117	1.000	-0.234	1.116	0.002	-0.043	-2.22	0.11
11	13.830	2.750	-1.980	0.951	991.9	1413.7	500.1	75.1	0.965	1.013	0.999	-0.027	1.012	0.005	-0.039	-2.23	0.29
12	14.496	2.750	-1.980	0.953	993.6	1413.1	500.8	75.2	1.008	1.049	1.000	-0.098	1.048	0.000	-0.033	-1.78	0.02
13	15.162	2.750	-1.980	0.950	991.3	1412.6	499.3	75.2	1.078	1.110	0.999	-0.222	1.110	-0.005	-0.005	-0.27	-0.24
14	15.828	2.750	-1.980	0.954	994.4	1412.8	501.1	75.1	1.099	1.124	0.998	-0.251	1.124	-0.012	0.015	0.78	-0.59
15	16.494	2.750	-1.980	0.951	992.0	1412.8	499.8	75.0	1.100	1.128	0.998	-0.257	1.127	-0.019	0.027	1.36	-0.95
16	17.160	2.750	-1.980	0.950	991.4	1413.8	499.8	75.2	1.140	1.161	0.997	-0.326	1.160	-0.023	0.058	2.86	-1.12
17	17.826	2.750	-1.980	0.953	994.1	1412.7	500.9	75.1	1.036	1.072	0.994	-0.152	1.071	-0.014	0.031	1.67	-0.74
18	18.492	2.750	-1.980	0.951	992.3	1412.3	499.8	75.1	0.968	1.015	0.997	-0.034	1.013	0.005	0.046	2.80	0.29
19	19.158	2.750	-1.980	0.952	992.9	1413.4	500.5	75.2	0.945	0.994	0.998	0.009	0.992	0.015	0.053	3.07	0.84
20	19.824	2.750	-1.980	0.951	992.5	1413.5	500.3	75.2	0.899	0.953	0.998	0.091	0.952	-0.000	0.034	2.06	-0.02

DATE 8-MAR-78 PROJECT NO P41C-N0C

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 485 3.000 0.00 24 608 0.02

DATE 2-21-78 AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AML	SML
1	10.500	2.750	-1.230	0.948	989.7	1413.2	498.7	75.0	0.913	0.968	1.000	0.064	0.968	0.008	-0.008	-0.46	0.37
2	10.833	2.750	-1.230	0.950	990.8	1413.7	499.5	75.0	0.901	0.956	0.999	0.086	0.956	0.011	-0.012	-0.70	0.66
3	11.166	2.750	-1.230	0.951	991.9	1413.4	500.0	75.1	0.889	0.945	0.999	0.110	0.944	0.012	-0.017	-1.00	0.70
4	11.499	2.750	-1.230	0.951	991.8	1413.4	499.9	75.1	0.871	0.928	0.999	0.143	0.927	0.007	-0.022	-1.38	0.41
5	11.832	2.750	-1.230	0.952	993.2	1413.6	500.7	75.2	0.837	0.895	0.999	0.207	0.894	-0.020	-0.028	-1.77	-1.29
6	12.165	2.750	-1.230	0.952	993.0	1413.1	500.5	75.1	0.815	0.874	1.000	0.249	0.870	-0.072	-0.032	-2.12	-4.75
7	12.498	2.750	-1.230	0.952	992.6	1413.2	500.3	75.1	0.834	0.892	0.999	0.212	0.884	-0.112	-0.037	-2.37	-7.21
8	12.831	2.750	-1.230	0.953	993.5	1413.3	500.8	75.1	0.931	0.981	0.999	0.037	0.975	-0.094	-0.047	-2.76	-5.52
9	13.164	2.750	-1.230	0.951	992.4	1412.8	500.1	75.0	1.116	1.140	1.000	-0.281	1.138	-0.030	-0.060	-3.02	-1.52
10	13.497	2.750	-1.230	0.951	992.3	1414.4	500.9	75.0	1.019	1.059	0.999	-0.119	1.056	-0.022	-0.071	-3.83	-1.21
11	13.830	2.750	-1.230	0.952	993.0	1413.6	500.7	75.0	0.910	0.962	0.999	0.074	0.958	-0.035	-0.080	-4.80	-2.11
12	14.163	2.750	-1.230	0.953	994.1	1413.5	501.2	75.0	0.932	0.981	0.999	0.037	0.977	-0.037	-0.080	-4.59	-2.14
13	14.496	2.750	-1.230	0.954	995.0	1413.1	501.6	75.1	1.009	1.048	0.999	-0.098	1.046	-0.032	-0.065	-3.53	-1.74
14	14.829	2.750	-1.230	0.952	992.4	1413.2	500.2	75.0	1.057	1.092	0.998	-0.186	1.091	-0.025	-0.038	-2.61	-1.31
15	15.162	2.750	-1.230	0.952	993.2	1412.5	500.3	75.2	1.060	1.094	0.998	-0.189	1.093	-0.017	-0.016	-0.86	-0.90
16	15.495	2.750	-1.230	0.948	989.2	1410.5	497.5	75.0	1.058	1.096	0.999	-0.193	1.095	-0.014	-0.003	-0.18	-0.72
17	15.828	2.750	-1.230	0.949	990.1	1411.1	498.3	74.9	1.061	1.098	0.998	-0.199	1.098	-0.012	-0.007	0.35	-0.65
18	16.161	2.750	-1.230	0.951	991.7	1411.0	499.0	75.0	1.109	1.135	0.999	-0.272	1.135	-0.008	0.030	1.53	-0.41
19	16.494	2.750	-1.230	0.949	990.5	1413.9	499.4	75.0	1.163	1.180	0.998	-0.362	1.178	0.003	0.080	3.89	0.14
20	16.827	2.750	-1.230	0.952	992.6	1415.6	501.2	75.0	1.192	1.201	0.993	-0.407	1.193	0.015	0.132	8.50	0.70
21	17.160	2.750	-1.230	0.952	992.4	1412.3	500.0	74.9	1.148	1.167	0.989	-0.346	1.162	0.004	0.108	5.29	0.17
22	17.493	2.750	-1.230	0.953	994.1	1411.9	500.7	75.0	1.116	1.135	0.993	-0.286	1.136	0.005	0.080	4.03	0.27
23	17.826	2.750	-1.230	0.951	992.3	1413.2	500.2	75.0	1.074	1.108	0.998	-0.214	1.104	0.019	0.059	3.07	1.01
24	18.159	2.750	-1.230	0.953	993.5	1413.1	500.8	75.0	1.044	1.078	0.998	-0.160	1.077	0.027	0.051	2.74	1.86
25	18.492	2.750	-1.230	0.951	991.9	1414.2	500.3	75.0	1.100	1.128	0.998	-0.259	1.124	0.090	0.050	2.55	4.80
26	18.825	2.750	-1.230	0.953	993.5	1413.4	500.9	75.0	1.087	1.116	0.998	-0.234	1.110	0.108	0.043	2.23	5.54
27	19.158	2.750	-1.230	0.954	994.2	1412.8	501.0	75.0	1.004	1.045	0.998	-0.092	1.040	0.095	0.038	2.09	5.20
28	19.491	2.750	-1.230	0.950	991.3	1412.7	499.5	74.9	0.905	0.959	0.999	0.080	0.956	0.064	0.038	2.28	3.85

DATE 8-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 486 3.001 0.00 24 609 0.02

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-2.730	0.953	993.8	1411.2	500.3	74.9	0.926	0.976	1.000	0.048	0.976	-0.005	-0.008	-0.49	-0.32
3	11.833	-2.750	-2.730	0.950	991.0	1413.9	499.7	75.0	0.900	0.955	0.999	0.088	0.955	-0.001	-0.031	-1.85	-0.08
4	13.166	-2.750	-2.730	0.950	991.4	1412.3	499.4	74.9	1.033	1.072	1.000	-0.144	1.071	-0.004	-0.035	-1.88	-0.22
5	14.499	-2.750	-2.730	0.951	992.4	1411.9	499.7	75.0	0.992	1.036	1.000	-0.072	1.036	-0.002	-0.023	-1.29	-0.12
8	15.832	-2.750	-2.730	0.947	988.6	1411.9	497.6	75.0	1.080	1.115	0.999	-0.232	1.115	0.003	0.009	0.48	0.15
10	17.165	-2.750	-2.730	0.949	983.7	1413.2	498.8	74.9	1.119	1.146	0.998	-0.294	1.145	0.010	0.036	1.79	0.52
13	18.498	-2.750	-2.730	0.950	991.0	1411.3	498.8	75.0	0.928	0.980	0.996	0.033	0.980	0.001	0.030	1.74	0.05
14	19.831	-2.750	-2.730	0.947	988.7	1413.3	498.2	75.0	0.912	0.968	0.996	0.057	0.968	0.003	0.022	1.33	0.16

DATE 8-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A STEPHENSON CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART 487 2.996 0.00 ALFA 24 CONFIG 610 SURVEY ALFAS 0.01

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 47

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-1.230	0.947	987.9	1411.9	497.3	74.9	0.909	0.966	0.999	0.066	0.966	-0.009	-0.007	-0.40	-0.53
2	11.833	-2.750	-1.230	0.953	993.9	1411.0	500.4	74.8	0.845	0.901	0.999	0.195	0.901	0.018	-0.028	-1.78	1.17
3	13.166	-2.750	-1.230	0.951	992.2	1413.1	500.2	74.8	1.120	1.144	0.999	-0.288	1.142	0.011	-0.053	-2.64	0.56
4	14.499	-2.750	-1.230	0.950	990.7	1412.9	499.3	74.8	1.022	1.063	0.998	-0.129	1.061	0.025	-0.055	-2.98	1.37
5	15.832	-2.750	-1.230	0.949	990.5	1410.9	498.4	74.9	1.042	1.081	0.996	-0.157	1.081	0.009	0.004	0.22	0.50
6	17.165	-2.750	-1.230	0.948	988.9	1411.7	497.8	74.8	1.115	1.143	0.989	-0.300	1.140	0.006	0.080	3.99	0.31
7	18.498	-2.750	-1.230	0.949	989.5	1411.7	498.2	74.7	1.035	1.067	0.997	-0.139	1.066	-0.050	0.039	2.12	-2.67
9	19.831	-2.750	-1.230	0.947	988.0	1411.8	497.4	74.8	0.889	0.947	0.996	0.099	0.946	-0.026	0.030	1.80	-1.55

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 530 3,003 2,00 24 601 1,99

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4TDATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
8	10.500	4.250	-1.230	0.950	995.7	1431.5	505.9	80.1	0.919	0.972	0.998	0.053	0.971	0.013	0.035	2.04	0.75
9	10.833	4.250	-1.230	0.950	996.2	1430.8	505.9	80.2	0.908	0.962	0.998	0.073	0.961	0.016	0.032	1.92	0.95
10	11.166	4.250	-1.230	0.952	997.2	1431.5	506.7	80.1	0.897	0.951	0.998	0.095	0.950	0.021	0.031	1.84	1.28
11	11.499	4.250	-1.230	0.952	997.3	1430.7	506.5	80.1	0.878	0.934	0.999	0.130	0.933	0.034	0.031	1.82	2.11
12	11.832	4.250	-1.230	0.952	998.2	1431.5	507.1	80.4	0.852	0.909	0.999	0.179	0.906	0.059	0.029	1.81	3.75
13	12.165	4.250	-1.230	0.953	998.3	1430.3	506.8	80.4	0.841	0.898	0.999	0.201	0.892	0.096	0.026	1.67	6.12
14	12.498	4.250	-1.230	0.953	998.8	1429.9	506.9	80.5	0.865	0.920	0.999	0.158	0.911	0.122	0.023	1.42	7.61
15	12.831	4.250	-1.230	0.949	995.2	1429.9	505.1	80.1	0.941	0.993	0.998	0.012	0.987	0.102	0.014	0.78	5.91
16	13.164	4.250	-1.230	0.951	996.2	1431.2	506.1	80.1	1.039	1.078	0.998	-0.158	1.076	0.059	-0.006	-0.33	3.14
17	13.497	4.250	-1.230	0.951	997.0	1430.1	506.0	80.3	0.929	0.980	0.999	0.037	0.979	0.050	-0.024	-1.39	2.91
18	13.830	4.250	-1.230	0.952	997.8	1430.0	506.5	80.2	0.904	0.957	0.999	0.084	0.955	0.056	-0.036	-2.14	3.36
19	14.163	4.250	-1.230	0.953	998.4	1431.2	507.4	80.0	0.921	0.972	0.998	0.054	0.969	0.051	-0.039	-2.33	3.04
20	14.496	4.250	-1.230	0.951	996.3	1430.5	505.9	80.1	0.960	1.006	0.998	-0.018	1.007	0.041	-0.032	-1.80	2.32
21	14.829	4.250	-1.230	0.951	996.7	1429.5	505.8	79.9	0.993	1.037	0.999	-0.076	1.036	0.029	-0.021	-1.15	1.59
22	15.162	4.250	-1.230	0.949	995.0	1429.9	505.0	80.1	1.005	1.049	0.998	-0.101	1.049	0.020	-0.012	-0.65	1.09
23	15.495	4.250	-1.230	0.950	996.2	1430.7	505.9	80.2	1.004	1.047	0.998	-0.097	1.047	0.015	-0.007	-0.40	0.83
24	15.828	4.250	-1.230	0.951	996.7	1428.6	505.3	80.4	1.015	1.056	0.999	-0.114	1.056	0.011	-0.002	-0.11	0.60
25	16.161	4.250	-1.230	0.948	994.0	1429.5	504.3	80.0	1.059	1.096	0.999	-0.194	1.096	0.001	0.015	0.77	0.37
26	16.494	4.250	-1.230	0.949	995.3	1429.2	504.9	80.1	1.115	1.142	0.999	-0.285	1.141	-0.015	0.051	2.57	-0.75
27	16.827	4.250	-1.230	0.952	997.7	1430.4	506.7	80.0	1.149	1.167	0.997	-0.336	1.163	-0.026	0.088	4.33	-1.30
28	17.160	4.250	-1.230	0.952	997.7	1431.2	506.9	80.2	1.123	1.146	0.994	-0.300	1.143	-0.008	0.084	4.20	-0.42
29	17.493	4.250	-1.230	0.949	995.3	1429.4	504.8	80.4	1.069	1.104	0.993	-0.216	1.102	0.005	0.064	3.33	0.27
30	17.826	4.250	-1.230	0.951	996.3	1430.3	505.8	80.1	1.025	1.065	0.999	-0.132	1.064	0.008	0.054	2.92	0.42
31	18.159	4.250	-1.230	0.953	998.3	1431.5	507.2	80.3	0.966	1.012	0.998	-0.027	1.011	-0.001	0.047	2.54	-0.07
32	18.492	4.250	-1.230	0.950	996.1	1430.8	505.9	80.0	1.003	1.046	0.998	-0.095	1.045	-0.036	0.044	2.41	-1.99
33	18.825	4.250	-1.230	0.952	997.7	1429.6	506.3	80.2	0.989	1.033	0.999	-0.068	1.031	-0.053	0.037	2.08	-2.95
34	19.158	4.250	-1.230	0.948	994.5	1431.0	504.9	80.4	0.930	0.984	0.999	0.031	0.982	-0.052	0.033	1.91	-3.00
35	19.491	4.250	-1.230	0.950	995.8	1429.0	505.1	80.0	0.897	0.952	0.999	0.093	0.951	-0.036	0.030	1.79	-2.17

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART PEX10-6 ALPHA CONFIG

TC-532 531 3.000 2.00 24 602 2.01

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-2.730	0.951	996.5	1429.7	505.7	80.1	0.924	0.976	0.999	0.046	0.976	0.010	0.029	1.71	0.61
2	11.166	4.250	-2.730	0.953	998.0	1430.3	506.9	79.9	0.910	0.962	0.999	0.074	0.962	0.016	0.023	1.36	0.94
3	11.832	4.250	-2.730	0.951	996.8	1429.5	505.8	80.2	0.897	0.951	0.999	0.096	0.951	0.025	0.009	0.56	1.49
4	12.498	4.250	-2.730	0.951	996.4	1429.8	505.6	80.3	0.903	0.957	0.999	0.083	0.957	0.033	-0.006	-0.45	1.98
5	13.164	4.250	-2.730	0.952	997.5	1430.3	506.5	80.0	0.961	1.008	0.999	-0.018	1.008	0.029	0.001	0.04	1.62
6	13.830	4.250	-2.730	0.948	994.1	1429.1	504.0	80.4	0.947	0.999	0.999	0.001	0.999	0.024	0.001	0.03	1.35
7	14.496	4.250	-2.730	0.950	996.0	1430.0	505.5	80.3	0.961	1.010	0.999	-0.022	1.010	0.022	-0.000	-0.01	1.24
8	15.162	4.250	-2.730	0.954	999.3	1430.9	507.7	80.1	1.007	1.046	0.999	-0.094	1.046	0.016	0.007	0.16	0.88
9	15.828	4.250	-2.730	0.949	994.4	1429.9	504.7	80.0	1.023	1.065	0.999	-0.133	1.065	0.008	0.015	0.82	0.42
10	16.494	4.250	-2.730	0.951	996.5	1429.4	505.7	80.0	1.046	1.083	0.999	-0.167	1.083	0.001	0.023	1.24	0.07
11	17.160	4.250	-2.730	0.952	997.4	1429.8	506.3	80.0	1.091	1.120	0.999	-0.241	1.119	-0.004	0.042	2.13	-0.19
12	17.826	4.250	-2.730	0.947	992.6	1429.7	503.7	79.8	0.983	1.032	0.998	-0.067	1.031	-0.006	0.048	2.69	0.34
13	18.492	4.250	-2.730	0.952	997.2	1428.6	505.7	80.2	0.939	0.989	0.997	0.019	0.987	0.003	0.046	2.67	0.16
14	19.158	4.250	-2.730	0.947	991.3	1429.8	504.0	80.0	0.934	0.989	0.998	0.019	0.987	-0.002	0.045	2.60	-0.09
15	19.824	4.250	-2.730	0.952	997.8	1430.8	506.9	80.0	0.916	0.968	0.998	0.059	0.967	0.002	0.037	2.18	0.09

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART AEX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 532 2.997 2.00 24 603 2.01

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	H	VM	PT	Q	TT	ML	VM/VL	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.980	0.948	993.7	1430.1	504.3	80.1	0.919	0.974	0.999	0.049	0.974	0.011	0.029	1.73	0.67
2	11.166	4.250	-1.980	0.950	995.4	1430.0	505.3	79.9	0.901	0.956	0.998	0.065	0.955	0.019	0.025	1.48	1.12
3	11.832	4.250	-1.980	0.951	996.2	1430.0	505.7	79.9	0.873	0.930	0.998	0.137	0.929	0.040	0.009	0.54	2.46
4	12.498	4.250	-1.980	0.953	998.5	1430.4	506.9	80.4	0.885	0.938	0.999	0.120	0.916	0.067	-0.015	-0.93	4.12
5	13.164	4.250	-1.980	0.954	999.1	1429.2	506.9	80.2	1.020	1.058	0.999	-0.118	1.057	0.041	-0.001	-0.03	2.22
9	13.830	4.250	-1.980	0.953	998.4	1429.5	506.7	80.1	0.935	0.984	0.999	0.030	0.983	0.032	-0.009	-0.51	1.88
10	14.496	4.250	-1.980	0.951	997.0	1430.1	506.1	80.2	0.961	1.009	0.998	-0.019	1.008	0.027	-0.008	-0.46	1.53
11	15.162	4.250	-1.980	0.954	999.2	1430.6	507.6	80.0	1.019	1.057	0.999	-0.116	1.057	0.017	0.002	0.10	0.93
12	15.828	4.250	-1.980	0.953	997.9	1430.4	506.9	79.7	1.030	1.067	0.998	-0.137	1.067	0.007	0.009	0.46	0.35
13	16.494	4.250	-1.980	0.953	998.1	1430.7	507.0	80.1	1.070	1.101	0.999	-0.205	1.101	0.001	0.027	1.42	0.06
14	17.160	4.250	-1.980	0.954	998.7	1429.9	507.2	79.8	1.121	1.142	0.998	-0.287	1.141	-0.002	0.057	2.87	-0.09
15	17.826	4.250	-1.980	0.952	996.9	1427.7	505.5	79.6	1.025	1.064	0.996	-0.134	1.063	0.014	0.050	2.72	0.75
16	18.492	4.250	-1.980	0.952	997.3	1430.4	506.6	79.8	0.957	1.004	0.998	-0.012	1.003	-0.003	0.050	2.86	-0.16
19	19.158	4.250	-1.980	0.951	996.5	1428.4	505.4	79.7	0.936	0.986	0.998	0.024	0.984	-0.016	0.054	3.14	-0.90
20	19.824	4.250	-1.980	0.951	996.2	1429.0	505.5	79.8	0.903	0.957	0.999	0.084	0.956	-0.003	0.038	2.28	-0.17

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNDLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY AIFAS
TC-532 533 3.000 2.00 2.01

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	N	VM	PT	Q	TI	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
1	10.500	3.500	-2.730	0.950	995.7	1428.7	505.1	79.7	0.921	0.973	0.999	0.051	0.973	0.010	0.026	1.56	0.59
2	10.833	3.500	-2.730	0.950	995.4	1427.4	505.6	79.5	0.912	0.966	1.000	0.068	0.965	0.012	0.024	1.56	0.72
3	11.166	3.500	-2.730	0.952	997.4	1428.3	505.9	79.8	0.904	0.957	0.999	0.084	0.957	0.014	0.019	1.12	0.82
4	11.499	3.500	-2.730	0.951	996.3	1427.5	505.1	79.7	0.895	0.949	1.000	0.100	0.949	0.016	0.012	0.70	0.98
5	11.832	3.500	-2.730	0.953	997.7	1429.1	506.4	79.7	0.887	0.941	0.999	0.115	0.941	0.018	0.000	0.03	1.10
6	12.165	3.500	-2.730	0.953	998.4	1429.6	507.0	79.6	0.886	0.939	0.999	0.119	0.939	0.020	-0.013	-0.30	1.20
7	12.498	3.500	-2.730	0.954	999.3	1429.4	507.4	79.6	0.886	0.947	0.998	0.102	0.947	0.022	-0.023	-1.38	1.30
8	12.831	3.500	-2.730	0.952	996.9	1430.0	506.2	79.9	0.924	0.975	0.999	0.048	0.974	0.022	-0.021	-1.24	1.32
9	13.164	3.500	-2.730	0.949	994.6	1428.5	504.5	79.6	0.967	1.016	0.998	-0.034	1.015	0.022	-0.008	-0.47	1.24
10	13.497	3.500	-2.730	0.950	995.8	1428.8	505.2	79.7	0.972	1.020	0.998	-0.041	1.019	0.022	-0.004	-0.20	1.22
11	13.830	3.500	-2.730	0.951	996.2	1427.3	505.0	79.5	0.952	1.001	0.999	-0.003	1.001	0.021	-0.006	-0.33	1.18
12	14.163	3.500	-2.730	0.953	998.1	1428.1	505.2	79.7	0.951	0.999	0.999	0.000	0.998	0.020	-0.007	-0.40	1.13
13	14.496	3.500	-2.730	0.951	996.3	1428.2	505.4	79.6	0.965	1.012	0.999	-0.027	1.012	0.019	-0.005	-0.30	1.06
14	14.829	3.500	-2.730	0.950	995.6	1429.6	505.2	80.1	0.990	1.036	0.999	-0.072	1.035	0.017	-0.001	-0.08	0.91
15	15.162	3.500	-2.730	0.952	997.4	1429.9	506.3	80.2	1.020	1.060	0.999	-0.121	1.060	0.015	0.005	0.27	0.79
16	15.495	3.500	-2.730	0.954	999.3	1430.0	507.4	80.0	1.032	1.068	0.998	-0.138	1.068	0.010	0.011	0.59	0.54
17	15.828	3.500	-2.730	0.949	994.9	1427.9	504.4	79.7	1.031	1.072	1.000	-0.144	1.072	0.005	0.014	0.75	0.28
18	16.161	3.500	-2.730	0.952	996.9	1427.3	505.4	79.5	1.039	1.076	0.999	-0.153	1.076	0.001	0.019	1.01	0.05
19	16.494	3.500	-2.730	0.954	998.9	1427.5	506.5	79.7	1.049	1.082	0.999	-0.168	1.082	-0.001	0.024	1.21	-0.07
20	16.827	3.500	-2.730	0.952	997.4	1431.4	506.9	79.9	1.065	1.098	0.998	-0.199	1.098	-0.002	0.032	1.65	-0.12
21	17.160	3.500	-2.730	0.953	998.2	1431.0	507.2	80.0	1.092	1.119	0.998	-0.242	1.119	-0.003	0.041	2.12	-0.16
22	17.493	3.500	-2.730	0.950	995.9	1429.1	505.2	79.9	1.096	1.125	0.998	-0.253	1.124	-0.001	0.050	2.57	-0.03
23	17.826	3.500	-2.730	0.952	997.8	1429.4	506.4	80.0	1.047	1.082	0.998	-0.168	1.081	0.006	0.049	2.57	0.32
24	18.159	3.500	-2.730	0.948	993.8	1430.7	504.7	79.9	0.949	1.001	0.997	-0.006	1.000	0.006	0.044	2.50	0.35
25	18.492	3.500	-2.730	0.950	995.2	1428.5	505.8	79.7	0.950	1.000	0.997	-0.005	0.999	0.006	0.047	2.67	0.32
26	18.825	3.500	-2.730	0.953	997.9	1428.8	506.4	79.7	0.949	0.997	0.997	-0.000	0.996	0.005	0.050	2.89	0.27
27	19.158	3.500	-2.730	0.953	998.9	1430.4	507.3	80.2	0.939	0.987	0.997	0.020	0.986	0.005	0.049	2.84	0.27
29	19.491	3.500	-2.730	0.949	994.4	1428.6	504.4	79.7	0.920	0.974	0.997	0.046	0.973	0.004	0.043	2.54	0.25

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-332 535 3.002 2.00 24 605 2.00

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
10	10.500	3.500	-1.980	0.950	995.2	1428.6	505.0	79.4	0.915	0.968	0.999	0.061	0.968	0.012	0.029	1.73	0.72
11	10.833	3.500	-1.980	0.951	996.3	1428.4	505.4	79.6	0.904	0.958	0.998	0.081	0.958	0.015	0.027	1.59	0.89
12	11.166	3.500	-1.980	0.951	996.5	1428.0	505.2	79.9	0.893	0.947	0.999	0.103	0.947	0.018	0.022	1.30	1.10
13	11.499	3.500	-1.980	0.952	996.7	1427.9	505.4	79.6	0.876	0.932	0.999	0.135	0.931	0.022	0.012	0.72	1.34
14	11.832	3.500	-1.980	0.954	998.6	1429.8	507.3	79.4	0.846	0.902	0.998	0.191	0.902	0.026	-0.016	-0.03	1.67
15	12.165	3.500	-1.980	0.953	998.2	1429.3	506.9	79.4	0.829	0.887	0.998	0.221	0.884	0.032	-0.059	-3.80	2.10
16	12.498	3.500	-1.980	0.948	993.7	1426.5	503.4	79.4	0.848	0.908	0.999	0.150	0.903	0.037	-0.089	-5.65	2.35
17	12.831	3.500	-1.980	0.949	994.3	1427.0	503.9	79.4	0.934	0.986	0.999	0.026	0.983	0.039	-0.072	-4.20	2.25
18	13.164	3.500	-1.980	0.950	995.0	1426.6	504.2	79.3	1.080	1.112	0.999	0.225	1.111	0.036	-0.022	-1.11	1.84
19	13.497	3.500	-1.980	0.952	997.8	1430.0	506.6	80.0	0.994	1.037	0.998	0.076	1.036	0.032	-0.011	-0.61	1.78
20	13.830	3.500	-1.980	0.953	998.4	1429.7	506.8	80.0	0.927	0.977	0.999	0.044	0.976	0.031	-0.019	-1.11	1.80
21	14.163	3.500	-1.980	0.953	998.5	1429.7	506.8	80.1	0.936	0.985	0.998	0.028	0.984	0.029	-0.019	-1.11	1.69
22	14.496	3.500	-1.980	0.950	995.8	1429.5	505.4	79.9	0.959	1.008	0.999	0.018	1.004	0.027	-0.015	-0.87	1.53
23	14.829	3.500	-1.980	0.952	996.9	1427.7	505.5	79.6	1.006	1.048	0.999	0.097	1.047	0.024	-0.009	-0.49	1.30
24	15.162	3.500	-1.980	0.951	995.8	1427.9	505.0	79.5	1.038	1.076	0.999	0.154	1.076	0.018	-0.002	-0.13	0.94
25	15.495	3.500	-1.980	0.950	995.3	1428.6	504.9	79.6	1.041	1.079	0.999	0.150	1.079	0.010	0.003	0.14	0.51
26	15.828	3.500	-1.980	0.952	996.9	1428.2	505.6	79.6	1.042	1.079	0.999	0.150	1.079	0.004	0.009	0.48	0.21
27	16.161	3.500	-1.980	0.953	998.2	1427.3	506.1	79.6	1.054	1.087	0.999	0.176	1.087	-0.001	0.013	0.71	-0.08
28	16.494	3.500	-1.980	0.947	992.2	1428.4	503.2	79.5	1.069	1.106	0.998	0.215	1.106	-0.003	0.020	1.05	-0.15
29	16.827	3.500	-1.980	0.948	993.5	1428.1	503.8	79.5	1.093	1.125	0.998	0.252	1.125	-0.003	0.010	1.52	-0.17
30	17.160	3.500	-1.980	0.950	995.4	1428.7	505.1	79.4	1.115	1.141	0.998	0.284	1.140	-0.002	0.039	1.96	-0.11
31	17.493	3.500	-1.980	0.952	997.2	1428.4	506.0	79.4	1.108	1.133	0.997	0.270	1.132	0.000	0.038	1.91	0.02
32	17.826	3.500	-1.980	0.948	993.4	1429.9	504.3	79.7	0.984	1.032	0.997	0.068	1.032	0.010	0.034	1.91	0.56
33	18.159	3.500	-1.980	0.950	995.1	1428.3	504.7	79.6	0.980	1.009	0.998	0.062	1.009	0.009	0.038	2.14	0.54
34	18.492	3.500	-1.980	0.952	997.3	1429.7	506.2	80.0	1.064	1.097	0.998	0.196	1.094	0.005	0.079	4.13	0.26
35	18.825	3.500	-1.980	0.954	999.2	1430.3	507.6	79.7	1.058	1.090	0.998	0.182	1.086	0.003	0.093	4.88	0.18
36	19.158	3.500	-1.980	0.950	995.0	1427.6	504.5	79.5	0.973	1.020	0.998	0.045	1.017	0.003	0.087	4.90	0.16
37	19.491	3.500	-1.980	0.951	996.4	1427.5	505.2	79.4	0.909	0.962	0.998	0.073	0.960	0.004	0.064	3.80	0.25
38	19.824	3.500	-1.980	0.951	996.4	1427.5	505.2	79.4	0.909	0.962	0.998	0.073	0.960	0.004	0.064	3.80	0.25

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 536 3.002 2.00 24 606 2.02

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-2.730	0.953	998.2	1427.5	506.2	79.5	0.918	0.969	0.999	0.061	0.968	0.009	0.025	1.46	0.54
2	11.166	2.750	-2.730	0.952	997.3	1429.8	506.3	80.0	0.902	0.955	0.999	0.080	0.955	0.011	0.016	0.96	0.68
3	11.832	2.750	-2.730	0.949	994.5	1428.7	504.5	79.6	0.885	0.942	0.999	0.113	0.942	0.009	-0.001	-0.05	0.54
4	12.498	2.750	-2.730	0.950	995.3	1427.4	504.6	79.4	0.894	0.949	0.999	0.100	0.949	0.004	-0.019	-1.16	0.27
5	13.164	2.750	-2.730	0.953	997.5	1427.9	505.9	79.5	0.959	1.006	0.999	-0.013	1.006	0.011	-0.012	-0.68	0.61
6	13.830	2.750	-2.730	0.949	994.0	1427.9	504.1	79.4	0.949	1.000	0.999	-0.003	1.000	0.013	-0.010	-0.55	0.72
7	14.496	2.750	-2.730	0.954	998.3	1427.5	506.3	79.4	0.966	1.011	0.999	-0.024	1.011	0.012	-0.009	-0.50	0.66
8	15.162	2.750	-2.730	0.950	994.8	1428.0	504.5	79.5	1.026	1.067	0.999	-0.135	1.067	0.010	0.002	0.13	0.51
9	15.828	2.750	-2.730	0.954	998.5	1428.3	506.6	79.5	1.036	1.072	0.999	-0.146	1.072	0.003	0.016	0.85	0.18
10	16.494	2.750	-2.730	0.950	995.5	1427.9	504.8	79.5	1.043	1.081	0.999	-0.163	1.080	-0.003	0.028	1.46	-0.13
11	17.160	2.750	-2.730	0.951	996.5	1427.9	505.2	79.8	1.090	1.119	0.999	-0.241	1.119	-0.001	0.044	2.26	-0.06
12	17.826	2.750	-2.730	0.953	998.2	1429.3	506.7	79.7	1.021	1.059	0.997	-0.122	1.058	0.005	0.045	2.81	0.29
13	18.492	2.750	-2.730	0.950	995.4	1428.8	504.9	79.9	0.950	1.000	0.998	-0.003	0.999	0.009	0.045	2.58	0.50
14	19.158	2.750	-2.730	0.949	994.0	1428.3	504.2	79.4	0.938	0.991	0.997	0.015	0.990	0.010	0.045	2.59	0.59
15	19.824	2.750	-2.730	0.953	997.9	1428.2	506.3	79.5	0.917	0.968	0.998	0.061	0.967	0.007	0.036	2.11	0.43

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 537 3.000 2.00 24 607 2.01

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	2.750	-1.980	0.950	995.7	1428.9	505.1	79.8	0.910	0.963	0.998	0.070	0.963	0.012	0.027	1.62	0.71
3	11.166	2.750	-1.980	0.951	996.5	1429.0	505.7	79.7	0.888	0.942	0.999	0.113	0.942	0.015	0.016	0.99	0.91
4	11.832	2.750	-1.980	0.953	998.2	1427.9	506.3	79.5	0.856	0.912	0.999	0.174	0.912	0.004	-0.010	-0.60	0.24
5	12.498	2.750	-1.980	0.948	993.7	1427.6	503.7	79.6	0.862	0.921	0.999	0.155	0.920	-0.022	-0.046	-2.84	-1.34
6	13.164	2.750	-1.980	0.950	995.5	1427.4	504.7	79.5	1.029	1.059	0.999	-0.139	1.068	0.069	-0.025	-1.36	0.46
7	13.830	2.750	-1.980	0.953	998.4	1430.7	507.3	79.8	0.940	0.988	0.999	0.022	0.987	0.014	-0.028	-1.63	0.79
8	14.496	2.750	-1.980	0.950	994.9	1427.4	504.3	79.6	0.967	1.015	0.999	-0.031	1.015	0.012	-0.025	-1.40	0.66
9	15.162	2.750	-1.980	0.953	997.6	1427.9	506.0	79.5	1.042	1.078	0.999	-0.157	1.077	0.009	-0.004	-0.23	0.50
10	15.828	2.750	-1.980	0.951	995.7	1428.6	505.2	79.4	1.022	1.063	0.998	-0.128	1.063	0.003	0.011	0.59	0.16
11	16.494	2.750	-1.980	0.954	999.1	1429.0	507.0	79.9	1.068	1.099	0.998	-0.199	1.098	-0.007	0.033	1.73	-0.37
12	17.160	2.750	-1.980	0.953	998.2	1430.3	507.0	79.9	1.119	1.141	0.997	-0.286	1.140	-0.010	0.063	3.18	-0.50
13	17.826	2.750	-1.980	0.949	994.4	1427.3	504.0	79.4	0.950	1.000	0.996	-0.006	0.999	0.003	0.045	2.56	0.17
14	18.492	2.750	-1.980	0.954	999.3	1428.5	508.9	79.9	0.984	1.026	0.997	-0.058	1.025	0.018	0.053	2.93	1.02
15	19.158	2.750	-1.980	0.952	997.3	1428.6	505.8	80.0	0.950	0.998	0.998	0.000	0.996	0.026	0.059	3.37	1.52
16	19.824	2.750	-1.980	0.951	996.3	1430.3	505.8	80.1	0.899	0.954	0.997	0.087	0.953	0.011	0.039	2.34	0.64

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIG 24

TC-532 538 3.001 SURVEY ALFAS 608 2.01

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.500	2.750	-1.230	0.952	997.2	1428.5	505.9	79.7	0.905	0.958	0.998	0.081	0.957	0.015	0.032	1.90	0.88
2	10.833	2.750	-1.230	0.953	998.0	1428.1	506.2	79.6	0.889	0.943	0.999	0.112	0.942	0.020	0.028	1.69	1.21
3	11.166	2.750	-1.230	0.953	998.0	1428.4	505.7	79.6	0.873	0.927	1.000	0.144	0.927	0.023	0.022	1.33	1.43
4	11.499	2.750	-1.230	0.954	998.8	1429.6	507.0	80.0	0.852	0.907	0.999	0.183	0.907	0.021	0.012	0.77	1.33
5	11.832	2.750	-1.230	0.950	995.6	1429.3	505.1	80.0	0.820	0.881	0.999	0.234	0.881	-0.002	0.003	0.18	-0.16
6	12.165	2.750	-1.230	0.951	996.5	1430.8	506.2	80.0	0.796	0.857	0.998	0.279	0.856	-0.048	0.004	0.29	-3.24
7	12.498	2.750	-1.230	0.951	997.0	1430.1	506.1	80.1	0.821	0.880	0.999	0.235	0.876	-0.083	-0.011	-0.69	-5.42
8	12.831	2.750	-1.230	0.952	997.3	1429.8	506.2	80.1	0.894	0.948	0.999	0.102	0.945	-0.070	-0.020	-1.22	-4.21
9	13.164	2.750	-1.230	0.953	998.4	1430.2	507.0	80.1	1.060	1.093	0.999	-0.187	1.092	-0.018	-0.032	-2.68	-0.93
10	13.497	2.750	-1.230	0.949	994.4	1429.8	504.6	80.0	0.926	0.980	0.999	0.039	0.979	-0.020	-0.042	-2.48	-1.17
11	13.830	2.750	-1.230	0.950	996.2	1430.4	505.8	80.1	0.696	0.950	0.998	0.096	0.948	-0.030	-0.058	-1.51	-1.80
12	14.163	2.750	-1.230	0.951	997.0	1429.9	506.1	80.1	0.908	0.961	0.999	0.075	0.958	-0.032	-0.066	-3.91	-1.93
13	14.496	2.750	-1.230	0.952	997.4	1429.6	507.5	79.7	0.953	1.001	0.999	-0.003	0.999	-0.026	-0.056	-3.19	-1.52
14	14.829	2.750	-1.230	0.955	999.4	1429.6	507.5	79.7	1.012	1.051	0.998	-0.104	1.050	-0.020	-0.037	-2.01	-1.08
15	15.162	2.750	-1.230	0.950	995.5	1429.7	505.3	79.8	1.017	1.059	0.999	-0.119	1.058	-0.015	-0.021	-1.16	-0.79
16	15.495	2.750	-1.230	0.952	997.0	1430.6	506.4	79.9	0.993	1.037	0.998	-0.076	1.037	-0.011	-0.009	-0.48	-0.52
17	15.828	2.750	-1.230	0.952	997.5	1430.1	506.4	80.1	0.993	1.036	0.998	-0.075	1.036	-0.009	0.002	0.12	-0.50
18	16.161	2.750	-1.230	0.949	994.9	1429.5	505.0	79.7	1.052	1.089	0.998	-0.181	1.089	-0.004	0.027	1.41	-0.21
19	16.494	2.750	-1.230	0.952	997.3	1428.8	506.0	79.8	1.128	1.150	0.998	-0.302	1.147	0.011	0.077	3.85	0.54
20	16.827	2.750	-1.230	0.953	998.4	1427.9	506.4	79.6	1.150	1.174	0.996	-0.352	1.168	0.021	0.126	6.15	1.02
21	17.160	2.750	-1.230	0.950	995.7	1428.1	505.0	79.6	1.109	1.136	0.993	-0.280	1.131	0.004	0.097	4.89	0.20
22	17.493	2.750	-1.230	0.952	996.7	1427.7	505.4	79.5	1.059	1.093	0.996	-0.192	1.091	0.008	0.077	4.02	0.39
23	17.826	2.750	-1.230	0.952	996.9	1428.2	505.5	79.9	1.018	1.058	0.998	-0.119	1.056	0.014	0.067	3.64	0.74
24	18.159	2.750	-1.230	0.950	995.2	1429.5	505.1	79.7	0.963	1.012	0.998	-0.027	1.010	0.018	0.063	3.59	1.05
25	18.492	2.750	-1.230	0.952	997.3	1429.1	506.2	79.7	1.086	1.115	0.998	-0.233	1.111	0.080	0.056	2.86	4.09
26	18.825	2.750	-1.230	0.948	993.6	1428.0	503.9	79.5	1.067	1.103	0.999	-0.208	1.098	0.098	0.052	2.69	5.10
27	19.158	2.750	-1.230	0.951	996.5	1429.1	505.6	79.8	0.981	1.026	0.998	-0.055	1.021	0.091	0.047	2.65	5.08
28	19.491	2.750	-1.230	0.952	997.2	1427.5	505.7	79.4	0.908	0.960	0.999	0.078	0.957	0.065	0.042	2.52	3.87

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARU, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PIRT REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 539 3.005 2.00 24 609 2.01

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	IT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-2.730	0.951	996.3	1430.3	506.0	79.6	0.916	0.968	0.938	0.061	0.968	-0.012	0.025	1.47	-0.71
2	11.833	-2.750	-2.730	0.953	998.4	1428.4	506.5	79.6	0.886	0.939	0.999	0.119	0.939	-0.010	-0.002	-0.11	-0.59
3	13.166	-2.750	-2.730	0.948	993.6	1426.7	503.4	79.5	0.956	1.007	0.999	0.014	1.006	-0.013	-0.011	-0.63	-0.72
4	14.499	-2.750	-2.730	0.954	998.5	1427.4	506.3	79.6	0.963	1.008	0.999	-0.018	1.008	-0.013	-0.009	-0.52	-0.76
5	15.832	-2.750	-2.730	0.949	994.6	1428.5	504.5	79.5	1.030	1.070	0.998	-0.143	1.070	-0.007	0.015	0.83	-0.36
7	17.165	-2.750	-2.730	0.952	997.0	1428.0	505.6	79.8	1.095	1.123	0.998	-0.249	1.123	-0.002	0.045	2.32	-0.11
8	18.498	-2.750	-2.730	0.946	992.4	1430.4	503.7	80.0	0.952	1.005	0.997	-0.015	1.004	-0.012	0.042	2.42	-0.68
9	19.831	-2.750	-2.730	0.953	998.1	1428.6	506.3	80.0	0.916	0.967	0.997	0.061	0.966	-0.011	0.034	2.02	-0.63

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 540 3,000 2.00 24

SURVEY ALFAS 610 2.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SWL
1	10.500	-2.750	-1.230	0.953	998.6	1428.4	506.5	80.0	0.904	0.955	0.999	0.087	0.955	-0.017	0.031	1.87	-1.04
2	11.833	-2.750	-1.230	0.952	997.6	1428.0	505.9	79.8	0.820	0.879	0.999	0.238	0.879	0.002	0.003	0.17	0.13
3	13.166	-2.750	-1.230	0.948	993.8	1427.7	503.8	79.5	1.068	1.104	0.999	-0.210	1.104	0.004	-0.031	-1.62	0.22
4	14.499	-2.750	-1.230	0.953	998.2	1427.6	506.3	79.4	0.561	1.007	0.999	-0.016	1.005	0.022	-0.054	-3.07	1.26
5	15.832	-2.750	-1.230	0.950	995.5	1427.6	504.8	79.4	1.009	1.052	0.999	-0.106	1.052	0.007	0.001	0.06	0.36
6	17.165	-2.750	-1.230	0.951	996.8	1429.1	505.8	79.9	1.102	1.129	0.992	-0.268	1.125	-0.006	0.088	4.49	-0.29
7	18.498	-2.750	-1.230	0.952	997.2	1429.7	506.1	80.0	1.058	1.092	0.999	-0.186	1.089	-0.068	0.048	2.50	-3.55
8	19.831	-2.750	-1.230	0.947	992.8	1428.7	503.4	80.0	0.890	0.949	0.998	0.099	0.947	-0.038	0.035	2.12	-2.29

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARHOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 516 3.000 5.00 24 501 5.01

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
26	10.500	4.250	-1.230	0.950	996.3	1430.9	505.9	80.4	0.901	0.956	0.998	0.085	0.951	0.021	0.092	5.54	1.29
27	10.833	4.250	-1.230	0.951	997.0	1431.4	506.3	80.6	0.891	0.946	0.998	0.105	0.941	0.027	0.092	5.56	1.67
28	11.166	4.250	-1.230	0.951	997.3	1431.3	506.6	80.3	0.876	0.932	0.998	0.133	0.926	0.036	0.090	5.53	2.24
29	11.499	4.250	-1.230	0.952	998.1	1431.4	506.9	80.7	0.856	0.913	0.999	0.171	0.908	0.051	0.086	5.42	3.23
30	11.832	4.250	-1.230	0.953	998.7	1431.6	507.4	80.5	0.835	0.892	0.998	0.211	0.886	0.071	0.089	4.48	4.55
31	12.165	4.250	-1.230	0.954	999.5	1432.0	508.1	80.4	0.832	0.889	0.998	0.217	0.878	0.113	0.078	5.06	7.33
32	12.498	4.250	-1.230	0.954	999.8	1430.6	507.8	80.3	0.858	0.913	0.998	0.170	0.900	0.129	0.074	4.72	8.17
33	12.831	4.250	-1.230	0.953	998.3	1430.7	506.9	80.4	0.912	0.964	0.998	0.068	0.956	0.110	0.064	3.81	6.58
34	13.164	4.250	-1.230	0.950	995.6	1431.2	505.6	80.4	0.919	0.973	0.999	0.052	0.969	0.081	0.042	2.48	4.77
35	13.497	4.250	-1.230	0.950	995.2	1431.3	506.0	80.3	0.884	0.940	0.999	0.117	0.937	0.076	0.021	1.31	4.64
36	13.830	4.250	-1.230	0.952	997.6	1430.8	506.5	80.4	0.882	0.937	0.998	0.123	0.934	0.075	0.010	0.59	4.60
37	14.163	4.250	-1.230	0.953	998.5	1431.4	507.3	80.4	0.900	0.953	0.999	0.092	0.950	0.068	0.007	0.43	4.09
38	14.496	4.250	-1.230	0.954	999.4	1430.9	507.6	80.4	0.923	0.973	0.999	0.052	0.971	0.056	0.012	0.70	3.29
39	14.829	4.250	-1.230	0.950	998.0	1431.5	505.9	80.4	0.937	0.989	0.999	0.021	0.987	0.046	0.018	1.06	2.66
40	15.162	4.250	-1.230	0.952	997.8	1431.1	506.8	80.4	0.946	0.994	0.999	0.009	0.993	0.038	0.024	1.36	2.19
41	15.495	4.250	-1.230	0.954	999.2	1430.5	507.3	80.4	0.950	0.997	0.999	0.005	0.996	0.032	0.027	1.54	1.86
42	15.828	4.250	-1.230	0.949	995.2	1430.0	505.1	80.2	0.961	1.011	0.999	-0.023	1.010	0.028	0.033	1.86	1.57
43	16.161	4.250	-1.230	0.951	996.7	1430.8	506.1	80.3	1.029	1.068	0.999	-0.138	1.067	0.018	0.048	2.60	0.97
44	16.494	4.250	-1.230	0.953	998.6	1430.0	506.9	80.3	1.092	1.119	0.998	-0.240	1.116	0.002	0.080	4.12	0.12
45	16.827	4.250	-1.230	0.955	1000.2	1431.3	508.3	80.2	1.118	1.139	0.998	-0.380	1.133	-0.006	0.111	5.37	-0.31
46	17.160	4.250	-1.230	0.951	998.5	1430.4	508.9	80.2	1.078	1.110	0.996	-0.224	1.105	0.004	0.103	5.10	0.20
47	17.493	4.250	-1.230	0.952	997.6	1429.8	506.4	80.1	1.067	1.100	0.996	-0.205	1.095	0.015	0.101	5.27	0.76
48	17.826	4.250	-1.230	0.953	998.8	1429.3	506.8	80.2	1.072	1.102	0.998	-0.207	1.097	0.025	0.099	5.16	1.29
49	18.159	4.250	-1.230	0.953	998.5	1432.5	507.6	80.5	1.047	1.082	0.998	-0.167	1.077	0.023	0.099	5.27	1.25
50	18.492	4.250	-1.230	0.953	999.0	1430.7	507.3	80.4	1.054	1.088	0.999	-0.177	1.084	-0.008	0.087	4.57	-0.44
51	18.825	4.250	-1.230	0.950	995.6	1431.1	505.6	80.4	1.002	1.046	0.998	-0.096	1.043	-0.024	0.082	4.56	-1.33
52	19.158	4.250	-1.230	0.951	996.7	1429.9	505.7	80.4	0.932	0.984	0.999	0.032	0.960	-0.021	0.077	4.50	-1.24
53	19.491	4.250	-1.230	0.953	998.9	1428.4	506.4	80.4	0.898	0.950	0.999	0.098	0.947	-0.007	0.073	4.41	-0.43

DATE 9-MAR-78 PROJECT NO P41C-NOC

AND, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 517 2.998 5.00

CONFIG 24 SURVEY 602 ALFAS 5.01

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	N	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-2.730	0.950	996.2	1430.1	505.5	80.4	0.908	0.962	0.998	0.073	0.958	0.018	0.081	4.84	1.09
2	11.166	4.250	-2.730	0.952	997.3	1430.2	506.3	80.3	0.893	0.947	0.998	0.103	0.944	0.026	0.073	4.44	1.56
3	11.832	4.250	-2.730	0.952	997.6	1429.4	506.1	80.4	0.880	0.935	0.999	0.128	0.932	0.036	0.060	3.67	2.19
4	12.498	4.250	-2.730	0.951	996.7	1431.0	506.2	80.3	0.886	0.941	1.000	0.116	0.939	0.047	0.045	2.72	2.84
5	13.164	4.250	-2.730	0.952	997.8	1431.1	506.6	80.7	0.914	0.966	0.999	0.066	0.964	0.047	0.045	2.65	2.78
6	13.830	4.250	-2.730	0.954	1000.2	1432.1	508.3	80.8	0.919	0.969	0.999	0.060	0.967	0.045	0.041	2.45	2.66
8	14.496	4.250	-2.730	0.949	995.2	1431.7	505.4	80.7	0.930	0.983	0.999	0.033	0.981	0.043	0.039	2.27	2.51
9	15.162	4.250	-2.730	0.952	997.7	1430.4	506.3	80.7	0.949	0.997	0.999	0.004	0.996	0.038	0.040	2.28	2.21
10	15.828	4.250	-2.730	0.949	995.2	1431.1	505.3	80.4	0.964	1.014	0.999	-0.029	1.012	0.033	0.042	2.35	1.89
11	16.494	4.250	-2.730	0.951	997.2	1432.1	506.7	80.5	1.010	1.051	0.998	-0.105	1.050	0.029	0.049	2.70	1.56
12	17.160	4.250	-2.730	0.953	998.7	1432.0	507.4	80.7	1.067	1.099	0.999	-0.199	1.096	0.024	0.069	3.59	1.25
13	17.826	4.250	-2.730	0.948	994.0	1431.9	504.9	80.5	1.031	1.073	0.998	-0.148	1.070	0.031	0.078	4.15	1.66
14	18.492	4.250	-2.730	0.953	998.9	1432.1	507.7	80.5	0.999	1.040	0.998	-0.084	1.037	0.035	0.079	4.15	1.91
15	19.158	4.250	-2.730	0.948	994.7	1431.5	505.0	80.8	0.943	0.996	0.998	-0.006	0.992	0.030	0.077	4.45	1.75
16	19.824	4.250	-2.730	0.952	997.9	1430.4	506.5	80.6	0.919	0.971	0.999	0.056	0.968	0.032	0.068	4.02	1.92

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVENDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 518 2.999 5.00 24 603 5.01

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 47

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	4.250	-1.980	0.950	996.2	1431.3	505.9	80.5	0.904	0.958	0.998	0.080	0.955	0.020	0.081	4.86	1.18
2	11.166	4.250	-1.980	0.951	996.8	1431.5	506.3	80.6	0.883	0.939	0.998	0.120	0.935	0.032	0.078	4.78	1.93
3	11.832	4.250	-1.980	0.952	997.9	1431.5	506.8	80.7	0.855	0.912	0.999	0.172	0.909	0.055	0.058	3.65	3.44
4	12.498	4.250	-1.980	0.954	999.8	1433.1	508.5	80.6	0.871	0.925	0.998	0.147	0.921	0.074	0.033	2.08	4.62
5	13.164	4.250	-1.980	0.951	997.3	1433.2	507.1	80.7	0.926	0.977	0.998	0.043	0.974	0.065	0.045	2.65	3.81
6	13.830	4.250	-1.980	0.952	998.1	1431.5	507.0	80.7	0.908	0.961	0.999	0.077	0.958	0.059	0.035	2.09	3.49
7	14.496	4.250	-1.980	0.949	995.5	1430.8	505.2	80.8	0.927	0.980	0.999	0.038	0.978	0.053	0.033	1.93	3.09
8	15.162	4.250	-1.980	0.952	998.3	1432.1	507.4	80.5	0.953	1.000	0.999	0.002	0.999	0.045	0.036	2.04	2.59
9	15.828	4.250	-1.980	0.950	995.9	1431.1	505.6	80.6	0.967	1.015	0.999	0.032	1.014	0.038	0.039	2.20	2.13
10	16.494	4.250	-1.980	0.954	999.5	1432.4	508.2	80.5	1.040	1.075	0.998	0.152	1.073	0.032	0.056	2.98	1.69
11	17.160	4.250	-1.980	0.952	998.3	1431.0	506.8	80.9	1.086	1.115	0.998	0.233	1.112	0.028	0.084	4.30	1.42
12	17.826	4.250	-1.980	0.948	994.2	1430.7	504.6	80.5	1.025	1.068	0.998	0.139	1.064	0.042	0.084	4.51	2.26
13	18.492	4.250	-1.980	0.953	998.8	1430.4	506.9	80.7	1.018	1.057	0.999	0.117	1.053	0.034	0.089	4.60	1.81
14	19.158	4.250	-1.980	0.950	996.2	1430.8	505.8	80.4	0.941	0.992	0.999	0.013	0.988	0.023	0.086	4.98	1.34
15	19.824	4.250	-1.980	0.952	997.9	1431.3	506.7	80.8	0.906	0.959	0.998	0.079	0.955	0.035	0.071	4.28	2.08

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6

ALFA

CONFIG

5.00

24

504

5.01

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	3.500	-2.730	0.951	997.3	1431.6	506.4	80.9	0.904	0.957	0.999	0.083	0.954	0.019	0.077	4.63	1.15
2	10.833	3.500	-2.730	0.951	997.1	1431.3	506.2	80.9	0.894	0.949	0.999	0.102	0.945	0.022	0.073	4.43	1.35
3	11.166	3.500	-2.730	0.952	998.3	1432.9	507.3	81.1	0.885	0.940	0.999	0.118	0.937	0.025	0.067	4.08	1.53
4	11.499	3.500	-2.730	0.953	998.5	1433.4	508.2	81.1	0.876	0.930	0.998	0.136	0.928	0.028	0.058	3.60	1.71
5	11.832	3.500	-2.730	0.953	998.7	1433.8	508.0	80.8	0.867	0.922	0.999	0.153	0.921	0.031	0.046	2.87	1.94
6	12.165	3.500	-2.730	0.952	998.5	1431.2	507.0	80.7	0.865	0.920	0.999	0.156	0.919	0.034	0.034	2.11	2.10
7	12.498	3.500	-2.730	0.953	998.9	1431.2	507.3	80.6	0.875	0.929	1.000	0.140	0.928	0.036	0.034	1.50	2.24
8	12.831	3.500	-2.730	0.955	1000.6	1432.1	508.6	80.6	0.895	0.946	0.998	0.106	0.945	0.039	0.023	1.39	2.36
9	13.164	3.500	-2.730	0.951	996.9	1432.2	506.5	80.7	0.913	0.966	0.998	0.065	0.965	0.035	0.027	1.61	2.26
10	13.497	3.500	-2.730	0.951	996.8	1430.6	506.0	80.6	0.917	0.970	0.999	0.059	0.969	0.038	0.029	1.72	2.27
11	13.830	3.500	-2.730	0.953	998.6	1432.0	507.5	80.6	0.919	0.970	0.999	0.059	0.968	0.038	0.027	1.60	2.26
12	14.163	3.500	-2.730	0.953	999.2	1431.2	507.5	80.5	0.923	0.973	0.999	0.053	0.972	0.038	0.026	1.51	2.25
13	14.496	3.500	-2.730	0.954	1000.1	1431.1	507.9	80.6	0.932	0.981	1.000	0.038	0.974	0.038	0.026	1.49	2.20
14	14.829	3.500	-2.730	0.952	997.8	1431.5	506.9	80.5	0.942	0.991	0.998	0.015	0.990	0.037	0.028	1.61	2.13
15	15.162	3.500	-2.730	0.953	998.8	1431.9	507.5	80.5	0.953	1.000	0.999	0.002	0.999	0.035	0.030	1.71	2.01
16	15.495	3.500	-2.730	0.949	995.7	1432.1	505.9	80.6	0.960	1.009	0.998	0.021	1.008	0.033	0.032	1.82	1.86
17	15.828	3.500	-2.730	0.950	996.3	1430.9	505.8	80.5	0.970	1.017	1.000	0.035	1.016	0.031	0.034	1.94	1.73
18	16.161	3.500	-2.730	0.953	998.8	1431.9	507.5	80.6	0.985	1.029	0.999	0.059	1.027	0.039	0.038	2.14	1.62
19	16.494	3.500	-2.730	0.954	999.5	1432.7	507.5	80.5	1.017	1.055	1.000	0.111	1.054	0.026	0.043	2.31	1.44
20	16.827	3.500	-2.730	0.951	997.3	1432.4	506.9	80.4	1.045	1.081	0.998	0.165	1.060	0.025	0.052	2.77	1.33
21	17.160	3.500	-2.730	0.952	998.3	1431.0	507.0	80.4	1.067	1.099	0.999	0.199	1.097	0.023	0.062	3.25	1.21
22	17.493	3.500	-2.730	0.952	997.8	1431.4	506.9	80.3	1.078	1.108	0.999	0.219	1.106	0.023	0.071	3.55	1.17
23	17.826	3.500	-2.730	0.952	998.6	1431.1	507.0	80.8	1.037	1.074	0.998	0.150	1.071	0.027	0.068	3.62	1.44
24	18.159	3.500	-2.730	0.951	997.3	1432.4	506.7	80.9	1.012	1.054	0.999	0.109	1.051	0.032	0.067	3.64	1.73
25	18.492	3.500	-2.730	0.949	995.6	1431.9	505.7	80.6	0.986	1.033	0.998	0.068	1.030	0.034	0.072	3.98	1.88
26	18.825	3.500	-2.730	0.952	997.6	1432.0	507.0	80.5	0.976	1.022	0.998	0.047	1.018	0.034	0.075	4.22	1.89
27	19.158	3.500	-2.730	0.953	999.0	1434.0	508.2	80.9	0.955	1.002	0.998	0.008	0.999	0.033	0.074	4.25	1.87
28	19.491	3.500	-2.730	0.949	995.9	1432.9	506.1	80.9	0.927	0.980	0.998	0.038	0.977	0.033	0.067	3.95	1.91

DATE 9-11-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS
TC-532 520 2.997 5.00 24 605 5.00

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VM/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
11	10.500	3.500	-1.980	0.947	994.0	1432.0	504.8	80.7	0.995	0.953	0.999	0.092	0.949	0.023	0.082	4.95	1.39
12	10.833	3.500	-1.980	0.948	994.3	1431.0	504.6	80.7	0.983	0.941	0.999	0.115	0.937	0.027	0.078	4.79	1.66
13	11.166	3.500	-1.980	0.949	995.2	1431.3	505.3	80.7	0.967	0.926	0.998	0.144	0.923	0.032	0.071	4.40	1.98
14	11.499	3.500	-1.980	0.949	995.7	1432.6	506.0	80.6	0.968	0.907	0.998	0.180	0.905	0.037	0.058	3.65	2.37
15	11.832	3.500	-1.980	0.951	996.9	1432.5	506.6	80.7	0.923	0.883	0.998	0.228	0.881	0.044	0.028	1.83	2.86
16	12.165	3.500	-1.980	0.951	996.8	1432.7	506.7	80.6	0.910	0.871	0.999	0.253	0.869	0.052	-0.013	-0.66	3.40
17	12.498	3.500	-1.980	0.951	997.5	1432.9	507.0	80.8	0.832	0.810	0.999	0.214	0.888	0.058	-0.042	-2.69	3.75
18	12.831	3.500	-1.980	0.952	998.2	1431.8	507.1	80.7	0.900	0.953	0.999	0.092	0.931	0.062	-0.025	-1.46	3.74
19	13.164	3.500	-1.980	0.953	998.6	1430.8	507.0	80.6	0.967	1.012	0.999	-0.026	1.010	0.062	0.012	0.66	3.53
20	13.497	3.500	-1.980	0.954	999.7	1431.4	507.9	80.5	0.925	0.974	0.999	0.051	0.972	0.060	0.013	0.76	3.55
21	13.830	3.500	-1.980	0.953	998.9	1431.6	507.3	81.0	0.905	0.958	0.999	0.083	0.956	0.061	0.006	0.49	3.65
22	14.163	3.500	-1.980	0.950	996.8	1434.6	507.2	80.8	0.911	0.964	0.998	0.069	0.962	0.060	0.007	0.41	3.55
23	14.496	3.500	-1.980	0.951	997.0	1431.9	506.5	80.7	0.925	0.977	0.999	0.044	0.975	0.059	0.008	0.49	3.45
24	14.829	3.500	-1.980	0.953	998.8	1431.8	507.4	80.7	0.944	0.993	0.998	0.012	0.991	0.056	0.012	0.70	3.22
25	15.162	3.500	-1.980	0.953	999.4	1432.0	507.8	80.7	0.954	1.000	0.999	-0.002	0.999	0.053	0.015	0.86	3.03
26	15.495	3.500	-1.980	0.948	994.4	1430.9	504.7	80.7	0.957	1.008	0.999	-0.018	1.007	0.049	0.017	0.99	2.78
27	15.828	3.500	-1.980	0.950	995.9	1430.8	505.5	80.7	0.967	1.015	0.999	-0.032	1.014	0.045	0.020	1.11	2.56
28	16.161	3.500	-1.980	0.952	997.9	1432.4	507.2	80.7	0.992	1.035	0.998	-0.073	1.034	0.044	0.026	1.43	2.43
29	16.494	3.500	-1.980	0.954	999.6	1433.3	508.4	80.7	1.040	1.075	0.999	-0.152	1.074	0.040	0.033	1.76	2.11
30	16.827	3.500	-1.980	0.950	996.7	1431.8	506.3	80.7	1.072	1.105	0.999	-0.212	1.104	0.038	0.035	2.36	1.96
31	17.160	3.500	-1.980	0.952	998.7	1433.4	507.8	80.9	1.087	1.116	0.999	-0.233	1.114	0.036	0.035	2.84	1.84
32	17.493	3.500	-1.980	0.949	995.4	1431.3	505.5	80.5	1.049	1.087	0.998	-0.178	1.085	0.041	0.054	2.84	2.16
33	17.826	3.500	-1.980	0.951	997.7	1433.2	507.2	80.8	1.018	1.058	0.998	-0.120	1.056	0.047	0.051	2.79	2.51
34	18.159	3.500	-1.980	0.953	998.8	1432.0	507.5	80.6	1.035	1.072	0.998	-0.146	1.069	0.051	0.058	3.09	2.71
35	18.492	3.500	-1.980	0.951	996.9	1432.0	506.5	80.6	1.080	1.112	0.998	-0.226	1.106	0.050	0.058	3.07	2.59
36	18.825	3.500	-1.980	0.952	997.8	1430.3	506.5	80.5	1.066	1.099	0.999	-0.199	1.093	0.049	0.108	5.63	2.55
37	19.158	3.500	-1.980	0.949	995.7	1433.1	506.2	80.7	0.972	1.020	0.998	-0.042	1.014	0.047	0.099	5.60	2.67
38	19.491	3.500	-1.980	0.951	997.5	1431.7	506.7	80.7	0.909	0.962	0.998	0.074	0.958	0.045	0.075	4.47	2.70

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVEPUPUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 522 3.002 5.00 24 606 5.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	11.166	2.750	-2.730	0.950	996.8	1433.3	506.8	80.8	0.879	0.935	0.999	0.127	0.933	0.023	0.061	3.72	1.39
3	11.832	2.750	-2.730	0.951	997.6	1432.4	507.0	80.7	0.863	0.920	0.999	0.157	0.919	0.022	0.041	2.53	1.38
4	12.498	2.750	-2.730	0.953	999.2	1432.9	508.0	80.8	0.871	0.926	0.999	0.145	0.926	0.020	0.020	1.26	1.24
5	13.164	2.750	-2.730	0.958	994.7	1432.1	505.2	80.7	0.904	0.960	0.999	0.078	0.960	0.024	0.018	1.10	1.46
6	13.830	2.750	-2.730	0.949	995.5	1430.6	505.2	80.7	0.914	0.969	1.000	0.062	0.968	0.027	0.018	1.05	1.61
7	14.496	2.750	-2.730	0.951	997.9	1432.0	506.8	81.0	0.931	0.982	0.999	0.035	0.981	0.027	0.017	0.99	1.57
8	15.162	2.750	-2.730	0.950	996.0	1432.0	505.9	80.8	0.955	1.005	0.999	-0.010	1.004	0.026	0.023	1.29	1.46
9	15.828	2.750	-2.730	0.954	999.8	1432.3	508.2	80.7	0.972	1.016	0.999	-0.035	1.016	0.023	0.027	1.53	1.31
10	16.494	2.750	-2.730	0.952	998.2	1433.8	507.6	81.1	1.022	1.062	0.999	-0.124	1.061	0.021	0.038	2.06	1.11
11	17.160	2.750	-2.730	0.948	994.6	1434.4	505.8	81.0	1.066	1.103	0.998	-0.209	1.101	0.019	0.061	3.14	1.00
12	17.826	2.750	-2.730	0.951	997.4	1432.6	507.0	80.7	1.022	1.062	0.999	-0.126	1.060	0.022	0.061	3.32	1.16
13	18.492	2.750	-2.730	0.952	998.6	1432.7	507.6	80.8	0.979	1.024	0.997	-0.052	1.022	0.029	0.062	3.48	1.61
14	19.158	2.750	-2.730	0.951	997.8	1433.4	507.3	80.9	0.952	1.001	0.998	-0.004	0.998	0.032	0.064	3.68	1.81
15	19.824	2.750	-2.730	0.953	999.4	1433.0	507.9	81.3	0.921	0.971	0.999	0.055	0.969	0.028	0.054	3.19	1.63

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 523 3.002 5.00 24

SURVEY ALFAS 607 5.01

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	MC	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	2.750	-1.980	0.953	998.7	1432.5	507.5	80.8	0.890	0.943	0.998	0.110	0.940	0.025	0.078	4.77	1.51
2	11.166	2.750	-1.980	0.948	994.2	1431.4	504.7	80.7	0.858	0.918	0.998	0.160	0.915	0.029	0.063	3.93	1.83
3	11.832	2.750	-1.980	0.949	995.5	1430.7	505.2	80.7	0.827	0.888	0.999	0.220	0.887	0.021	0.030	1.96	1.36
4	12.498	2.750	-1.980	0.951	997.3	1433.6	507.2	80.7	0.837	0.896	0.999	0.204	0.896	0.002	-0.011	-0.68	0.10
5	13.164	2.750	-1.980	0.953	999.2	1432.0	507.5	81.2	0.919	0.970	0.999	0.059	0.969	0.025	0.000	0.01	1.49
7	13.830	2.750	-1.980	0.952	998.5	1433.7	507.9	80.8	0.906	0.959	0.999	0.080	0.958	0.029	-0.007	-0.39	1.75
8	14.496	2.750	-1.980	0.952	998.3	1433.8	507.6	81.1	0.927	0.978	0.998	0.042	0.977	0.028	-0.008	-0.48	1.64
9	15.162	2.750	-1.980	0.951	997.1	1433.5	507.1	80.8	0.959	1.007	0.999	-0.017	1.007	0.027	0.002	0.13	1.53
10	15.828	2.750	-1.980	0.952	998.5	1432.0	507.1	81.2	0.974	1.020	0.999	-0.040	1.019	0.024	0.013	0.73	1.34
11	16.494	2.750	-1.980	0.952	999.5	1434.1	507.8	81.3	1.046	1.082	0.999	-0.166	1.081	0.019	0.034	1.83	1.01
12	17.160	2.750	-1.980	0.949	996.2	1434.0	508.4	81.4	1.082	1.115	0.999	-0.232	1.113	0.013	0.063	3.26	0.69
13	17.826	2.750	-1.980	0.954	1000.2	1434.1	508.8	81.1	1.003	1.043	0.997	-0.090	1.042	0.018	0.050	2.77	1.02
14	18.492	2.750	-1.980	0.952	998.5	1432.6	507.5	80.8	1.031	1.069	0.998	-0.140	1.066	0.041	0.064	3.42	2.20
15	19.158	2.750	-1.980	0.950	996.8	1434.0	506.8	81.2	0.955	1.004	0.998	-0.012	1.001	0.048	0.067	3.81	2.73
1b	19.824	2.750	-1.980	0.953	999.4	1432.0	507.8	80.8	0.904	0.956	0.999	0.086	0.954	0.033	0.050	2.97	1.97

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA

TC-532 524 3.005 5.00

CONFIG 24

SURVEY ALFAS 608 5.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VM/VW	PT/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
1	10.500	2.750	-1.230	0.954	999.9	1433.0	508.4	80.8	0.882	0.935	0.998	0.126	0.930	0.029	0.088	5.43	1.80
4	10.833	2.750	-1.230	0.954	999.9	1432.3	508.0	81.1	0.861	0.916	0.998	0.163	0.912	0.036	0.082	5.17	2.27
5	11.166	2.750	-1.230	0.949	996.3	1432.8	506.2	81.2	0.836	0.896	0.998	0.202	0.892	0.041	0.071	4.56	2.66
6	11.499	2.750	-1.230	0.950	996.9	1433.0	506.5	81.3	0.813	0.874	0.999	0.246	0.871	0.040	0.057	3.72	2.61
7	11.832	2.750	-1.230	0.950	996.8	1433.8	506.9	81.0	0.755	0.818	0.999	0.254	0.817	0.016	0.042	2.95	1.12
8	12.165	2.750	-1.230	0.951	997.8	1432.0	506.8	81.0	0.648	0.711	0.998	0.354	0.709	-0.033	0.033	2.69	-2.65
9	12.498	2.750	-1.230	0.952	998.8	1433.2	507.7	81.2	0.781	0.842	0.999	0.310	0.839	-0.066	0.020	1.38	-4.52
10	12.831	2.750	-1.230	0.954	1000.2	1433.5	508.4	81.4	0.862	0.917	0.999	0.163	0.916	-0.045	0.010	0.65	-2.84
11	13.164	2.750	-1.230	0.954	1000.8	1434.0	509.0	81.3	0.919	0.969	0.999	0.060	0.969	-0.001	-0.003	-0.16	-0.06
12	13.497	2.750	-1.230	0.952	998.2	1431.3	506.9	80.8	0.877	0.932	1.000	0.135	0.932	-0.007	0.020	-1.21	-0.41
13	13.830	2.750	-1.230	0.949	995.7	1433.7	506.3	80.9	0.863	0.922	0.998	0.152	0.921	-0.017	0.037	-2.30	-1.03
14	14.163	2.750	-1.230	0.950	997.1	1434.1	507.0	81.3	0.879	0.935	0.999	0.127	0.933	-0.020	-0.049	-3.01	-1.23
15	14.496	2.750	-1.230	0.951	997.9	1434.1	507.6	81.0	0.906	0.959	0.998	0.079	0.958	-0.017	-0.045	-2.66	-1.02
16	14.829	2.750	-1.230	0.953	998.7	1432.3	507.5	80.9	0.933	0.983	0.999	0.033	0.982	-0.013	-0.032	-1.86	-0.78
17	15.162	2.750	-1.230	0.951	997.2	1433.5	507.2	80.7	0.945	0.994	0.999	0.009	0.994	-0.009	-0.021	-1.22	-0.55
18	15.495	2.750	-1.230	0.951	998.0	1434.5	507.6	81.3	0.944	0.993	0.998	0.010	0.993	-0.008	-0.013	-0.77	-0.49
19	15.828	2.750	-1.230	0.952	998.9	1435.2	508.3	81.5	0.956	1.003	0.999	-0.009	1.003	-0.007	-0.005	-0.26	-0.39
20	16.161	2.750	-1.230	0.954	1000.9	1434.8	509.3	81.4	1.033	1.068	0.999	-0.138	1.068	-0.001	0.021	1.11	-0.06
21	16.494	2.750	-1.230	0.950	997.3	1434.8	507.3	81.4	1.110	1.137	0.998	-0.276	1.134	0.012	0.075	3.78	0.62
22	16.827	2.750	-1.230	0.951	998.0	1433.8	507.3	81.4	1.128	1.151	0.998	-0.304	1.146	0.013	0.109	5.45	0.67
23	17.160	2.750	-1.230	0.953	999.3	1434.5	508.4	81.3	1.072	1.103	0.995	-0.212	1.099	0.004	0.089	4.42	0.22
24	17.493	2.750	-1.230	0.950	996.2	1433.3	506.4	80.9	1.018	1.060	0.998	-0.124	1.058	0.007	0.074	4.00	0.36
25	17.826	2.750	-1.230	0.952	998.1	1432.8	507.3	81.0	0.992	1.035	0.999	-0.073	1.033	0.010	0.071	3.92	0.53
26	18.159	2.750	-1.230	0.952	998.0	1431.5	506.9	80.7	1.029	1.067	0.999	-0.137	1.065	0.023	0.063	3.38	1.24
27	18.492	2.750	-1.230	0.951	997.6	1431.7	506.7	80.8	1.110	1.136	0.999	-0.272	1.130	0.098	0.061	3.08	4.98
28	18.825	2.750	-1.230	0.954	1000.5	1433.9	508.9	81.2	1.095	1.121	0.998	-0.244	1.114	0.113	0.057	2.92	5.80
29	19.158	2.750	-1.230	0.949	996.1	1434.3	506.6	81.1	0.990	1.036	0.998	-0.074	1.029	0.106	0.052	2.90	5.87
30	19.491	2.750	-1.230	0.951	997.9	1432.9	507.2	81.0	0.905	0.959	0.999	0.081	0.955	0.076	0.044	2.85	4.53

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARU, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 525 2.996 5.00 24 609 5.01

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	-2.750	-2.730	0.947	993.6	1432.1	504.7	80.8	0.895	0.953	0.999	0.092	0.950	-0.022	0.074	4.46	-1.35
2	11.833	-2.750	-2.730	0.950	996.6	1432.8	506.5	80.8	0.860	0.918	0.998	0.160	0.917	-0.024	0.041	2.56	-1.52
3	13.166	-2.750	-2.730	0.954	1000.3	1434.0	508.8	81.2	0.906	0.957	0.998	0.084	0.956	-0.028	0.021	1.23	-1.55
7	14.499	-2.750	-2.730	0.949	995.4	1434.1	506.2	81.0	0.927	0.981	0.998	0.036	0.980	-0.029	0.017	1.00	-1.68
8	15.832	-2.750	-2.730	0.947	994.1	1433.2	504.9	81.4	0.967	1.018	0.999	-0.037	1.017	-0.025	0.028	1.56	-1.43
10	17.165	-2.750	-2.730	0.950	996.6	1434.3	506.9	81.1	1.069	1.103	0.999	-0.209	1.101	-0.022	0.062	3.23	-1.17
11	18.498	-2.750	-2.730	0.951	997.4	1434.6	507.3	81.4	0.974	1.020	0.997	-0.045	1.018	-0.032	0.061	3.40	-1.52
12	19.831	-2.750	-2.730	0.952	998.9	1435.1	508.4	81.2	0.918	0.970	0.998	0.057	0.968	-0.030	0.052	3.10	-1.78

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 526 3.001 5.00 24 610 5.01

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SNL
1	10.500	-2.750	-1.230	0.950	997.2	1435.0	507.3	81.4	0.877	0.934	0.998	0.129	0.929	-0.032	0.091	5.60	-2.00
2	11.833	-2.750	-1.230	0.954	1000.3	1434.9	509.0	81.4	0.759	0.820	0.999	0.351	0.818	-0.018	0.042	2.97	-1.23
4	13.166	-2.750	-1.230	0.948	995.0	1436.1	506.5	81.4	0.919	0.975	0.999	0.049	0.974	-0.010	-0.002	-0.10	-0.60
5	14.499	-2.750	-1.230	0.952	998.7	1435.1	508.2	81.4	0.912	0.964	0.999	0.069	0.963	0.011	-0.042	-2.48	0.65
6	15.832	-2.750	-1.230	0.948	994.7	1433.3	505.6	80.9	0.969	1.018	0.999	-0.039	1.018	0.001	-0.002	-0.10	0.05
7	17.165	-2.750	-1.230	0.949	995.3	1432.9	505.8	80.8	1.038	1.078	0.995	-0.162	1.075	-0.015	0.081	4.32	-0.80
8	18.498	-2.750	-1.230	0.950	996.1	1434.1	506.6	80.9	1.082	1.115	0.998	-0.232	1.110	-0.088	0.053	2.72	-4.54
9	19.831	-2.750	-1.230	0.949	995.4	1433.3	505.9	81.1	0.888	0.946	0.998	0.106	0.943	-0.052	0.034	2.09	-3.18

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PRT HX10-6 ALFA CONFIG 24 SURVEY ALFAS
TC-532 588 3.001 0.00

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 41

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	4.250	-1.230	1.052	1084.0	1390.8	535.2	79.8	1.109	1.043	0.997	-0.089	1.043	-0.001	0.001	0.05	-0.07
7	11.166	4.250	-1.230	1.050	1082.5	1392.4	535.1	79.9	1.084	1.011	0.997	-0.024	1.011	0.012	-0.005	-0.31	0.58
8	11.832	4.250	-1.230	1.051	1083.4	1392.0	535.3	80.0	0.908	0.884	0.998	0.229	0.883	0.051	-0.011	-0.71	3.32
9	12.498	4.250	-1.230	1.052	1083.9	1389.6	534.8	79.7	0.893	0.871	0.998	0.255	0.864	0.115	-0.017	-1.11	7.58
10	13.164	4.250	-1.230	1.053	1084.9	1390.9	535.7	79.8	1.147	1.071	0.999	-0.142	1.069	0.044	-0.046	-2.46	2.37
11	13.830	4.250	-1.230	1.049	1081.3	1391.2	534.2	79.8	1.002	0.963	0.996	0.068	0.960	0.035	-0.074	-4.43	2.09
12	14.496	4.250	-1.230	1.050	1082.3	1390.5	534.5	79.6	1.064	1.011	0.999	-0.022	1.008	0.030	-0.063	-3.60	1.70
13	15.162	4.250	-1.230	1.051	1083.1	1389.7	534.5	79.7	1.142	1.063	0.997	-0.141	1.069	0.013	-0.013	-0.69	0.69
14	15.828	4.250	-1.230	1.049	1081.1	1388.9	533.3	79.6	1.132	1.063	0.993	-0.134	1.063	0.017	0.001	0.04	0.51
15	16.494	4.250	-1.230	1.052	1083.5	1390.4	534.9	79.7	1.177	1.055	0.995	-0.193	1.094	-0.006	0.027	1.41	-0.33
16	17.160	4.250	-1.230	1.049	1081.4	1389.8	533.8	79.6	1.272	1.164	0.985	-0.336	1.158	-0.058	0.096	4.73	-2.89
17	17.826	4.250	-1.230	1.051	1083.1	1390.8	534.9	79.7	1.183	1.099	0.974	-0.226	1.096	0.007	0.088	4.57	0.34
18	18.492	4.250	-1.230	1.049	1081.2	1390.2	533.9	79.6	1.168	1.090	0.987	-0.193	1.089	-0.037	0.033	1.73	-1.93
19	19.158	4.250	-1.230	1.052	1083.8	1390.3	534.9	79.9	1.150	1.074	0.993	-0.156	1.071	-0.077	0.025	1.36	-4.09
20	19.824	4.250	-1.230	1.053	1084.7	1390.0	535.2	79.8	1.079	1.020	0.998	-0.044	1.018	-0.064	0.017	0.96	-3.62

DATE 9-MAR-78 PROJECT NO P41C-NOC

APG, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 589 2.999 0.00

CONFIG SURVEY ALFAS

24 1202 0.00

DATE

2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PT/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-2.730	1.050	1081.9	1391.0	534.3	79.9	1.116	1.051	0.998	-0.104	1.051	-0.001	0.001	0.08	-0.04
3	10.833	3.500	-2.730	1.050	1081.9	1390.1	534.1	79.7	1.107	1.044	0.998	-0.090	1.044	0.001	-0.001	-0.05	0.05
4	11.166	3.500	-2.730	1.051	1082.0	1392.0	535.2	79.8	1.072	1.016	0.999	-0.034	1.016	0.006	-0.010	-0.55	0.35
5	11.499	3.500	-2.730	1.051	1082.9	1391.1	534.9	79.8	1.008	0.966	0.999	0.067	0.966	0.011	-0.021	-1.23	0.63
6	11.832	3.500	-2.730	1.053	1084.3	1392.5	536.0	79.8	0.956	0.923	0.998	0.153	0.922	0.013	-0.034	-2.11	0.78
7	12.165	3.500	-2.730	1.052	1083.7	1390.1	534.8	79.8	0.934	0.905	0.999	0.189	0.904	0.014	-0.049	-3.11	0.90
8	12.498	3.500	-2.730	1.053	1084.7	1389.9	535.3	79.7	0.943	0.912	0.999	0.174	0.910	0.016	-0.059	-3.58	0.98
9	12.831	3.500	-2.730	1.052	1084.1	1391.8	535.6	79.9	1.026	0.979	0.999	0.070	0.977	0.016	-0.058	-3.38	0.96
10	13.164	3.500	-2.730	1.050	1082.1	1391.7	534.7	79.8	1.100	1.039	0.999	-0.079	1.038	0.017	-0.039	-2.16	0.93
11	13.497	3.500	-2.730	1.050	1082.3	1390.1	534.2	79.8	1.140	1.069	0.999	-0.137	1.068	0.017	-0.015	-0.79	0.90
12	13.830	3.500	-2.730	1.052	1083.7	1389.6	534.7	79.7	1.122	1.054	0.997	-0.110	1.053	0.015	-0.018	-0.97	0.80
13	14.163	3.500	-2.730	1.054	1085.0	1391.1	535.8	79.7	1.065	1.009	0.996	-0.022	1.008	0.010	-0.028	-1.58	0.57
14	14.496	3.500	-2.730	1.054	1085.4	1391.2	536.0	79.7	1.052	0.998	0.997	0.000	0.998	0.007	-0.031	-1.78	0.35
15	14.829	3.500	-2.730	1.051	1083.0	1390.4	534.7	79.7	1.079	1.022	0.999	-0.045	1.022	0.004	-0.028	-1.56	0.21
16	15.162	3.500	-2.730	1.052	1084.0	1390.5	535.2	79.7	1.110	1.044	0.999	-0.089	1.044	0.001	-0.020	-1.08	0.05
17	15.495	3.500	-2.730	1.053	1084.3	1391.2	535.5	79.7	1.131	1.059	0.998	-0.121	1.059	-0.001	-0.011	-0.59	0.05
18	15.828	3.500	-2.730	1.053	1085.1	1391.8	536.0	79.9	1.143	1.068	0.997	-0.139	1.068	-0.001	-0.004	-0.19	-0.08
19	16.161	3.500	-2.730	1.050	1081.8	1391.9	534.6	79.9	1.165	1.088	0.996	-0.178	1.087	0.006	0.008	0.40	-0.32
20	16.494	3.500	-2.730	1.050	1081.8	1390.5	534.2	79.7	1.185	1.102	0.995	-0.207	1.102	-0.011	0.017	0.90	-0.59
21	16.827	3.500	-2.730	1.048	1080.3	1391.6	534.0	79.7	1.172	1.094	0.993	-0.194	1.094	-0.023	0.021	1.09	-1.18
22	17.160	3.500	-2.730	1.053	1084.3	1390.2	535.2	79.7	1.179	1.095	0.992	-0.198	1.095	-0.014	0.018	0.93	-0.73
23	17.493	3.500	-2.730	1.050	1081.7	1389.7	533.9	79.6	1.163	1.086	0.994	-0.178	1.085	-0.016	0.035	1.84	-0.84
24	17.826	3.500	-2.730	1.051	1083.2	1389.7	534.5	79.8	1.186	1.101	0.994	-0.207	1.100	-0.019	0.048	2.50	-0.96
25	18.159	3.500	-2.730	1.050	1082.1	1390.7	534.4	79.8	1.208	1.118	0.993	-0.241	1.117	-0.020	0.060	3.09	-1.03
26	18.492	3.500	-2.730	1.051	1082.8	1391.7	535.0	79.9	1.223	1.128	0.990	-0.263	1.126	-0.024	0.071	3.60	-1.23
27	18.825	3.500	-2.730	1.051	1083.6	1391.2	535.1	80.0	1.219	1.125	0.988	-0.259	1.123	-0.025	0.068	3.97	-1.29
28	19.158	3.500	-2.730	1.053	1084.7	1392.2	536.0	79.9	1.233	1.133	0.988	-0.275	1.131	-0.018	0.078	3.93	-0.93
29	19.491	3.500	-2.730	1.054	1085.7	1391.7	536.3	79.8	1.218	1.122	0.987	-0.254	1.120	-0.015	0.061	3.14	-0.75

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 590 2.999 0.00 24 1203 0.00

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PIL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-1.980	1.051	1083.1	1389.9	534.5	79.7	1.106	1.042	0.998	-0.087	1.042	-0.000	0.000	0.01	-0.02
3	10.833	3.500	-1.980	1.050	1082.2	1390.2	534.2	79.8	1.089	1.030	0.998	-0.062	1.030	-0.004	-0.005	-0.27	0.25
4	11.166	3.500	-1.980	1.051	1083.1	1391.3	535.0	79.8	1.053	1.002	0.998	-0.005	1.001	0.010	-0.012	-0.68	0.60
5	11.499	3.500	-1.980	1.053	1084.6	1392.1	536.0	79.9	0.987	0.948	0.998	0.102	0.947	0.015	-0.022	-1.34	0.91
6	11.832	3.500	-1.980	1.050	1081.7	1388.8	533.5	79.7	0.903	0.881	0.999	0.235	0.880	0.018	-0.049	-3.19	1.17
7	12.165	3.500	-1.980	1.050	1082.3	1389.6	534.1	79.7	0.872	0.855	0.998	0.288	0.850	0.022	-0.089	-5.98	1.46
8	12.498	3.500	-1.980	1.051	1083.1	1390.3	534.7	79.7	0.892	0.871	0.998	0.256	0.863	0.024	-0.116	-7.68	1.63
9	12.831	3.500	-1.980	1.052	1083.6	1390.8	535.0	79.8	1.069	1.014	0.998	-0.029	1.008	0.026	-0.099	-5.63	1.46
10	13.164	3.500	-1.980	1.052	1083.7	1390.7	535.1	79.8	1.169	1.089	0.998	-0.178	1.088	0.025	-0.028	-1.47	1.30
11	13.497	3.500	-1.980	1.052	1083.9	1390.4	535.1	79.7	1.170	1.089	0.995	-0.182	1.089	0.022	-0.005	-0.27	1.15
12	13.830	3.500	-1.980	1.052	1083.2	1390.1	534.7	79.6	1.099	1.036	0.995	-0.078	1.036	0.014	-0.025	-1.38	0.78
13	14.163	3.500	-1.980	1.052	1083.9	1391.8	535.5	79.9	1.042	0.992	0.996	0.010	0.991	0.009	-0.034	-1.97	0.52
14	14.496	3.500	-1.980	1.051	1082.5	1389.7	534.2	79.7	1.058	1.006	0.999	-0.013	1.006	0.006	-0.035	-2.01	0.35
15	14.829	3.500	-1.980	1.053	1084.1	1390.7	535.3	79.7	1.098	1.035	1.000	-0.070	1.035	0.003	-0.029	-1.61	0.17
16	15.162	3.500	-1.980	1.053	1084.3	1389.4	534.9	79.7	1.124	1.054	0.998	-0.110	1.054	-0.002	-0.021	-1.13	-0.08
17	15.495	3.500	-1.980	1.051	1082.7	1391.5	535.0	79.6	1.136	1.065	0.997	-0.133	1.065	-0.002	-0.013	-0.72	-0.11
18	15.828	3.500	-1.980	1.051	1083.0	1390.9	534.9	79.7	1.152	1.077	0.995	-0.158	1.077	-0.006	-0.005	-0.27	-0.30
19	16.161	3.500	-1.980	1.052	1083.8	1391.1	535.2	79.9	1.167	1.087	0.995	-0.178	1.087	-0.011	-0.002	-0.10	-0.50
20	16.494	3.500	-1.980	1.054	1085.1	1390.4	535.0	79.7	1.164	1.083	0.993	-0.174	1.083	-0.017	-0.003	-0.18	-0.90
21	16.827	3.500	-1.980	1.049	1081.2	1391.5	534.4	79.6	1.166	1.088	0.993	-0.183	1.088	-0.023	0.002	0.09	-1.19
22	17.160	3.500	-1.980	1.051	1082.9	1391.5	535.0	79.9	1.175	1.094	0.992	-0.195	1.094	-0.021	0.012	0.62	-1.11
23	17.493	3.500	-1.980	1.052	1084.1	1392.1	535.1	79.9	1.184	1.099	0.990	-0.208	1.099	-0.018	0.020	1.05	-0.94
24	17.826	3.500	-1.980	1.052	1083.6	1390.5	535.0	79.7	1.204	1.113	0.990	-0.235	1.113	-0.022	0.025	1.31	-1.13
25	18.159	3.500	-1.980	1.050	1082.1	1390.4	534.3	79.7	1.193	1.107	0.988	-0.225	1.106	-0.031	0.032	1.67	-1.63
26	18.492	3.500	-1.980	1.051	1083.3	1389.7	534.5	79.8	1.244	1.143	0.988	-0.292	1.139	-0.034	0.080	4.03	-1.70
27	18.825	3.500	-1.980	1.053	1084.3	1390.5	535.3	79.8	1.240	1.139	0.987	-0.286	1.136	-0.021	0.076	3.84	-1.08
28	19.158	3.500	-1.980	1.053	1084.6	1389.4	535.0	79.6	1.219	1.123	0.986	-0.258	1.121	-0.021	0.060	3.08	-1.07
29	19.491	3.500	-1.980	1.050	1082.3	1390.3	534.3	79.8	1.133	1.064	0.992	-0.136	1.063	-0.024	0.033	1.79	-1.32

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARG, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPELLION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA

CONFIC 24

SURVEY ALFAS

1304 0.01

TC-332 591 3.000 0.00

DATE 2-21-78

AEDC PROPELLION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	2.750	-1.230	1.051	1082.9	1390.8	534.7	79.8	1.078	1.021	0.998	-0.044	1.021	0.007	-0.006	-0.32	0.39
3	10.833	2.750	-1.230	1.052	1083.7	1389.8	534.8	79.6	1.051	0.999	0.998	-0.001	0.999	0.013	-0.011	-0.62	0.73
4	11.166	2.750	-1.230	1.049	1081.6	1391.6	534.5	79.7	1.038	0.991	0.999	0.016	0.991	0.018	-0.019	-1.09	1.01
5	11.499	2.750	-1.230	1.049	1081.5	1390.6	534.0	79.8	0.970	0.937	1.000	0.127	0.936	0.014	-0.026	-1.59	0.84
6	11.832	2.750	-1.230	1.053	1084.4	1391.1	535.5	79.9	0.992	0.970	1.000	0.259	0.870	-0.011	-0.030	-1.95	-0.71
7	12.165	2.750	-1.230	1.052	1083.9	1392.0	535.6	80.0	0.849	0.834	0.999	0.330	0.831	-0.059	-0.034	-2.47	-4.05
8	12.498	2.750	-1.230	1.052	1083.5	1390.7	535.0	79.7	0.857	0.841	0.999	0.316	0.835	-0.094	-0.039	-2.70	-6.40
9	12.831	2.750	-1.230	1.052	1082.1	1391.6	535.6	79.8	0.977	0.940	0.999	0.118	0.935	-0.081	-0.050	-3.04	-5.94
10	13.164	2.750	-1.230	1.050	1082.1	1390.2	534.3	79.5	1.152	1.077	0.999	-0.155	1.076	-0.018	-0.059	-3.16	-0.53
11	13.497	2.750	-1.230	1.051	1082.6	1389.7	534.2	79.8	1.156	1.080	0.994	-0.165	1.078	-0.002	-0.065	-3.43	-0.10
12	13.830	2.750	-1.230	1.052	1083.3	1389.9	534.6	79.7	1.056	1.003	0.996	-0.012	1.000	-0.028	-0.082	-4.67	-1.58
13	14.163	2.750	-1.230	1.052	1083.7	1389.5	534.7	79.6	1.031	0.983	0.998	0.031	0.979	-0.033	-0.083	-4.85	-1.96
14	14.496	2.750	-1.230	1.054	1084.9	1389.7	535.3	79.6	1.094	1.031	0.999	-0.063	1.029	-0.030	-0.062	-3.44	-1.69
17	14.829	2.750	-1.230	1.054	1085.3	1390.1	535.7	79.5	1.146	1.069	0.997	-0.141	1.069	-0.026	-0.026	-1.42	-1.40
18	15.162	2.750	-1.230	1.050	1081.9	1390.8	534.4	79.6	1.160	1.083	0.995	-0.171	1.083	-0.015	-0.004	0.21	-0.81
19	15.495	2.750	-1.230	1.051	1082.9	1390.2	534.5	79.7	1.185	1.101	0.993	-0.207	1.100	-0.020	0.033	1.74	-1.05
20	15.828	2.750	-1.230	1.051	1082.9	1389.9	534.4	79.7	1.168	1.089	0.990	-0.188	1.088	-0.028	0.029	1.52	-1.48
21	16.161	2.750	-1.230	1.049	1080.8	1389.8	533.5	79.7	1.165	1.088	0.987	-0.190	1.087	-0.026	0.032	1.71	-1.35
22	16.494	2.750	-1.230	1.050	1082.2	1391.4	534.6	79.8	1.205	1.116	0.993	-0.237	1.115	-0.016	0.056	2.89	-0.62
23	16.827	2.750	-1.230	1.051	1083.1	1391.8	535.2	79.9	1.241	1.141	0.988	-0.289	1.136	-0.007	0.100	5.04	-0.36
24	17.160	2.750	-1.230	1.052	1084.1	1392.2	535.7	80.0	1.259	1.153	0.979	-0.320	1.143	-0.007	0.150	7.48	-0.35
25	17.493	2.750	-1.230	1.051	1083.0	1390.6	534.7	79.7	1.208	1.117	0.973	-0.261	1.110	-0.044	0.117	6.03	-2.29
26	17.826	2.750	-1.230	1.052	1083.3	1391.1	535.1	79.7	1.160	1.082	0.982	-0.182	1.078	-0.018	0.088	4.66	-0.97
27	18.159	2.750	-1.230	1.053	1084.0	1390.6	535.1	79.6	1.149	1.073	0.989	-0.158	1.071	0.003	0.058	3.62	0.16
28	18.492	2.750	-1.230	1.053	1084.0	1390.6	535.3	79.5	1.203	1.113	0.993	-0.231	1.109	0.072	0.052	2.67	3.70
29	18.825	2.750	-1.230	1.052	1083.2	1390.9	535.0	79.6	1.205	1.115	0.995	-0.232	1.108	0.098	0.064	3.32	5.07
30	19.158	2.750	-1.230	1.051	1082.5	1388.2	533.6	79.8	1.178	1.096	0.993	-0.198	1.090	0.102	0.053	2.76	5.36
31	19.491	2.750	-1.230	1.052	1083.9	1389.0	534.5	79.7	1.122	1.054	0.994	-0.113	1.050	0.075	0.036	1.97	4.09

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 592 3.000 0.00 1205 0.00

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-1.230	1.051	1082.9	1391.0	534.8	79.8	1.077	1.020	0.998	-0.043	1.020	-0.008	-0.005	-0.28	-0.45
3	11.833	-2.750	-1.230	1.052	1083.2	1391.0	535.0	79.6	0.891	0.870	0.999	0.258	0.869	0.011	-0.029	-1.94	0.74
4	13.166	-2.750	-1.230	1.054	1083.1	1390.5	535.7	79.7	1.158	1.079	0.999	-0.158	1.078	0.006	-0.056	-2.96	0.29
5	14.499	-2.750	-1.230	1.052	1083.7	1391.4	535.3	79.8	1.093	1.032	0.999	-0.064	1.030	0.028	-0.058	-3.23	1.57
6	15.832	-2.750	-1.230	1.051	1083.2	1391.8	535.2	79.9	1.182	1.098	0.990	-0.206	1.097	0.031	0.033	1.71	1.60
7	17.165	-2.750	-1.230	1.051	1083.1	1391.7	535.2	79.7	1.288	1.173	0.979	-0.358	1.164	-0.032	0.146	7.13	-1.56
8	18.498	-2.750	-1.230	1.048	1080.7	1390.5	533.7	79.8	1.176	1.097	0.996	-0.196	1.093	-0.074	0.048	2.50	-3.86
9	19.831	-2.750	-1.230	1.049	1080.6	1389.4	533.4	79.6	1.064	1.012	0.998	-0.025	1.010	-0.047	0.044	1.37	-2.66

DATE 9-MAR-78 PROJECT NO P41C-NOC

Y ARU, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PAPT FEX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 602 2.999 2.00 24 1201 1.99

DATE 2-21-78

AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VWL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	4.250	-1.230	1.051	1083.3	1390.5	534.8	79.8	1.110	1.045	0.998	-0.093	1.045	-0.001	0.039	2.16	-0.04
7	11.166	4.250	-1.230	1.049	1081.1	1390.8	534.0	79.8	1.038	0.992	0.997	0.013	0.991	0.019	0.032	1.86	1.09
8	11.832	4.250	-1.230	1.050	1082.2	1390.9	534.4	79.9	0.896	0.875	0.999	0.248	0.872	0.061	0.027	1.77	4.01
9	12.498	4.250	-1.230	1.051	1083.3	1390.8	534.9	79.8	0.890	0.869	0.999	0.260	0.860	0.125	0.022	1.48	8.29
10	13.164	4.250	-1.230	1.053	1084.5	1391.4	535.7	79.9	1.130	1.059	0.999	-0.119	1.057	-0.009	-0.047	3.08	
11	13.830	4.250	-1.230	1.050	1082.0	1390.8	534.3	79.9	0.953	0.922	0.999	0.154	0.920	0.050	-0.046	-2.88	3.10
12	14.496	4.250	-1.230	1.051	1083.0	1389.3	534.2	79.8	1.047	0.997	0.999	0.005	0.995	0.041	-0.038	-2.16	2.35
13	15.162	4.250	-1.230	1.051	1082.8	1390.0	534.4	79.7	1.087	1.028	0.998	-0.058	1.028	0.021	-0.002	-0.14	1.19
14	15.828	4.250	-1.230	1.053	1084.4	1391.0	535.5	79.8	1.075	1.017	0.995	-0.040	1.017	0.018	0.007	0.37	1.00
15	16.494	4.250	-1.230	1.051	1082.8	1391.1	534.8	79.9	1.156	1.080	0.996	-0.163	1.079	-0.006	0.046	2.43	-0.33
16	17.160	4.250	-1.230	1.049	1081.0	1390.0	533.6	79.7	1.194	1.109	0.990	-0.227	1.103	-0.026	0.118	6.09	-1.23
17	17.826	4.250	-1.230	1.053	1084.7	1391.3	535.7	79.9	1.151	1.074	0.985	-0.164	1.070	0.008	0.097	5.16	0.44
18	18.492	4.250	-1.230	1.050	1082.1	1390.7	534.3	79.9	1.206	1.117	0.990	-0.241	1.114	-0.034	0.073	3.74	-1.72
19	19.158	4.250	-1.230	1.053	1084.2	1392.6	536.1	79.7	1.161	1.082	0.991	-0.173	1.079	-0.059	0.051	2.59	-3.13
20	19.824	4.250	-1.230	1.052	1084.2	1391.2	535.5	79.8	1.076	1.018	0.997	-0.040	1.016	-0.046	0.045	2.52	-2.62

DATE 9-MAR-78 PROJECT NO P4IC-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG 24

TC-532 603 2.998 2.00

SURVEY ALFAS 1202 2.00

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	FTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-2.730	1.051	1082.8	1389.7	534.6	79.7	1.104	1.049	0.998	-0.099	1.048	0.001	0.040	2.18	0.05
3	10.833	3.500	-2.730	1.051	1082.9	1390.4	534.6	79.8	1.101	1.038	0.998	-0.079	1.038	0.005	0.035	1.92	0.26
4	11.166	3.500	-2.730	1.052	1083.6	1391.4	535.2	79.9	1.046	0.996	0.998	0.007	0.995	0.013	0.023	1.34	0.73
5	11.499	3.500	-2.730	1.051	1083.2	1391.6	535.2	79.9	0.982	0.945	0.997	0.107	0.945	0.018	0.012	0.70	1.09
6	11.832	3.500	-2.730	1.052	1083.7	1391.5	535.4	79.7	0.942	0.912	0.998	0.174	0.912	0.019	-0.004	-0.23	1.19
7	12.165	3.500	-2.730	1.052	1083.9	1392.0	535.6	79.9	0.924	0.897	0.999	0.204	0.897	0.023	-0.018	-1.15	1.48
8	12.498	3.500	-2.730	1.052	1084.2	1390.7	535.2	79.9	0.927	0.900	0.999	0.200	0.899	0.025	-0.030	-1.88	1.62
9	12.831	3.500	-2.730	1.053	1084.7	1390.5	535.4	79.9	0.980	0.942	0.999	0.114	0.942	0.027	-0.029	-1.77	1.55
10	13.164	3.500	-2.730	1.049	1081.7	1391.7	534.5	79.8	1.082	1.025	0.998	-0.053	1.025	0.028	-0.013	-0.75	1.57
11	13.497	3.500	-2.730	1.051	1083.3	1392.3	535.4	80.0	1.108	1.044	0.998	-0.089	1.043	0.028	0.002	0.10	1.51
12	13.830	3.500	-2.730	1.052	1083.5	1391.3	535.2	79.7	1.049	0.998	0.998	0.001	0.998	0.024	-0.005	-0.28	1.38
13	14.163	3.500	-2.730	1.052	1084.2	1390.9	535.3	79.9	0.993	0.953	0.998	0.090	0.953	0.021	-0.011	-0.69	1.25
14	14.496	3.500	-2.730	1.054	1085.5	1392.0	536.4	79.8	1.027	0.979	0.997	0.039	0.979	0.020	-0.012	-0.73	1.16
15	14.829	3.500	-2.730	1.054	1085.7	1390.8	535.9	79.9	1.058	1.003	0.999	-0.007	1.003	0.019	-0.010	-0.57	1.09
16	15.162	3.500	-2.730	1.051	1082.9	1391.4	534.9	80.0	1.083	1.025	0.999	-0.051	1.025	0.017	-0.003	-0.19	0.97
17	15.495	3.500	-2.730	1.052	1083.6	1391.7	535.3	80.0	1.109	1.044	0.998	-0.090	1.044	0.016	0.006	0.31	0.86
18	15.828	3.500	-2.730	1.053	1084.4	1391.7	535.7	79.8	1.131	1.060	0.998	-0.121	1.060	0.013	0.014	0.73	0.86
19	16.161	3.500	-2.730	1.054	1085.2	1389.7	535.4	79.8	1.143	1.067	0.997	-0.137	1.067	0.011	0.023	1.25	0.81
20	16.494	3.500	-2.730	1.051	1082.4	1389.9	534.2	79.6	1.132	1.062	0.996	-0.129	1.062	0.011	0.024	1.27	0.57
21	16.827	3.500	-2.730	1.052	1083.3	1389.9	534.6	79.6	1.126	1.056	0.996	-0.117	1.056	0.007	0.026	1.42	0.38
22	17.160	3.500	-2.730	1.052	1083.1	1390.8	535.0	79.5	1.140	1.068	0.997	-0.138	1.067	0.003	0.032	1.74	0.18
23	17.493	3.500	-2.730	1.052	1083.4	1391.1	535.1	79.7	1.148	1.074	0.996	-0.150	1.072	0.003	0.048	2.57	-0.14
24	17.826	3.500	-2.730	1.053	1083.9	1389.6	534.9	79.5	1.169	1.088	0.995	-0.180	1.086	0.004	0.061	3.22	-0.23
25	18.159	3.500	-2.730	1.054	1085.0	1389.5	535.2	79.7	1.190	1.102	0.994	-0.209	1.100	0.006	0.073	3.79	-0.33
26	18.492	3.500	-2.730	1.051	1082.9	1392.9	535.7	79.9	1.182	1.099	0.992	-0.204	1.096	0.007	0.069	3.61	-0.39
27	18.825	3.500	-2.730	1.052	1084.0	1391.5	535.5	79.8	1.185	1.100	0.992	-0.207	1.097	0.005	0.076	3.95	-0.27
28	19.158	3.500	-2.730	1.054	1085.2	1391.6	536.0	79.9	1.224	1.126	0.992	-0.257	1.122	0.002	0.097	4.96	-0.09
29	19.491	3.500	-2.730	1.051	1082.6	1389.1	534.0	79.7	1.193	1.107	0.990	-0.223	1.104	0.005	0.074	3.82	0.26

DATE 9-MAR-78 PROJECT NO P41C-W0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIG 24

TC-532 604 2.999 2.00

SURVEY ALFAS
1203 2.01

DATE
2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-1.980	1.051	1083.1	1385.5	534.4	79.6	1.108	1.043	0.998	-0.089	1.043	0.002	0.038	2.11	0.12
3	10.833	3.500	-1.980	1.051	1082.9	1385.0	534.1	79.7	1.075	1.018	0.999	-0.038	1.018	0.010	0.032	1.80	0.59
4	11.166	3.500	-1.980	1.050	1082.0	1385.0	533.8	79.6	1.032	0.986	0.998	0.026	0.985	0.019	0.024	1.40	1.12
5	11.499	3.500	-1.980	1.050	1082.0	1385.3	533.8	79.6	0.981	0.921	0.999	0.156	0.921	0.026	0.012	0.73	1.50
6	11.832	3.500	-1.980	1.052	1083.3	1385.8	534.6	79.7	0.890	0.869	0.999	0.259	0.869	0.030	0.016	-1.08	2.00
7	12.165	3.500	-1.980	1.052	1083.3	1388.6	534.2	79.6	0.856	0.830	0.999	0.318	0.837	0.037	0.061	-4.19	2.51
8	12.498	3.500	-1.980	1.053	1084.1	1388.4	534.4	79.7	0.872	0.853	0.999	0.292	0.847	0.043	-0.093	-0.30	2.88
9	12.831	3.500	-1.980	1.048	1080.3	1390.3	533.4	79.7	1.033	0.988	0.998	0.031	0.984	0.046	-0.078	-1.55	2.65
10	13.164	3.500	-1.980	1.051	1083.0	1392.8	535.6	79.8	1.151	1.076	0.998	-0.153	1.075	0.045	-0.011	-0.60	2.40
11	13.497	3.500	-1.980	1.051	1083.1	1390.1	534.6	79.7	1.149	1.075	0.997	-0.151	1.074	0.042	0.016	0.87	2.24
12	13.830	3.500	-1.980	1.052	1083.4	1390.2	534.8	79.6	1.023	0.977	0.996	0.041	0.977	0.034	-0.012	-0.72	1.99
13	14.163	3.500	-1.980	1.053	1084.4	1390.7	535.4	79.7	0.976	0.939	0.997	0.119	0.938	0.032	-0.021	-1.28	1.94
14	14.496	3.500	-1.980	1.051	1083.0	1391.5	535.0	79.9	1.033	0.986	0.999	0.026	0.985	0.030	-0.021	-1.25	1.75
15	14.829	3.500	-1.980	1.051	1082.5	1390.6	534.5	79.8	1.077	1.021	1.000	-0.042	1.020	0.029	-0.015	-0.85	1.65
16	15.162	3.500	-1.980	1.053	1084.4	1391.7	535.7	79.9	1.105	1.040	0.999	-0.082	1.040	0.027	-0.008	-0.43	1.51
17	15.495	3.500	-1.980	1.053	1084.8	1391.0	535.7	79.8	1.125	1.055	0.999	-0.111	1.054	0.024	-0.001	-0.05	1.30
18	15.828	3.500	-1.980	1.050	1082.1	1390.7	534.4	79.6	1.140	1.068	0.998	-0.138	1.068	0.019	0.006	0.33	1.02
19	16.161	3.500	-1.980	1.052	1083.4	1390.7	535.0	79.6	1.136	1.064	0.996	-0.133	1.064	0.016	0.010	0.51	0.85
20	16.494	3.500	-1.980	1.054	1085.2	1391.7	536.1	79.8	1.129	1.057	0.995	-0.120	1.057	0.014	0.013	0.70	0.73
21	16.827	3.500	-1.980	1.052	1083.4	1391.8	535.4	79.7	1.141	1.068	0.997	-0.138	1.068	0.010	0.019	1.04	0.52
22	17.160	3.500	-1.980	1.051	1082.8	1390.0	534.4	79.7	1.155	1.079	0.996	-0.161	1.078	0.006	0.030	1.60	0.30
23	17.493	3.500	-1.980	1.053	1084.3	1390.9	535.4	79.7	1.170	1.089	0.994	-0.182	1.088	0.004	0.017	1.96	0.23
24	17.826	3.500	-1.980	1.054	1085.4	1390.4	535.7	79.8	1.178	1.093	0.992	-0.194	1.093	0.002	0.037	1.93	0.10
25	18.159	3.500	-1.980	1.051	1082.8	1392.6	535.4	79.9	1.159	1.082	0.991	-0.173	1.081	-0.003	0.042	2.25	-0.14
26	18.492	3.500	-1.980	1.051	1082.8	1391.0	534.8	79.8	1.234	1.136	0.994	-0.274	1.131	-0.006	0.104	5.27	-0.23
27	18.825	3.500	-1.980	1.053	1084.8	1392.1	536.0	79.9	1.242	1.140	0.988	-0.287	1.135	-0.002	0.101	5.10	-0.08
28	19.158	3.500	-1.980	1.052	1083.4	1390.5	534.8	79.8	1.209	1.118	0.986	-0.247	1.115	0.003	0.084	4.29	0.17
29	19.491	3.500	-1.980	1.052	1084.0	1391.2	535.4	79.9	1.137	1.064	0.990	-0.140	1.063	0.006	0.056	3.01	0.31

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

SURVEY ALFA

VM 1204 1.98

DATE 2-21-78

AEC PROPULSION WIND TUNNEL

TRANSONIC 4T

DATE 2-21-78

AEC PROPULSION WIND TUNNEL

TRANSONIC 4T

DATE 2-21-78

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TRANSONIC 4T

DATE 2-21-78

AEC PROPULSION WIND TUNNEL

DATE 9-MAR-78 PROJECT NO P41C-WOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 606 3.004 2.00

SURVEY ALFAS

DATE
2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AL	SWL
2	10.500	-2.750	-1.230	1.052	1083.9	1391.3	535.5	79.5	1.069	1.013	0.998	-0.028	1.012	-0.015	0.034	1.92	-0.85
3	11.833	-2.750	-1.230	1.050	1082.2	1390.2	534.3	79.6	0.864	0.848	0.999	0.302	0.848	-0.003	-0.001	-0.05	-0.22
4	13.166	-2.750	-1.230	1.049	1080.7	1389.5	533.4	79.6	1.131	1.063	0.999	-0.125	1.062	-0.002	-0.032	-1.74	-0.09
5	14.499	-2.750	-1.230	1.051	1083.1	1389.4	534.3	79.7	1.037	0.989	0.999	0.022	0.987	0.022	-0.059	-3.40	1.25
6	15.832	-2.750	-1.230	1.051	1083.4	1391.9	535.3	79.9	1.127	1.058	0.992	-0.125	1.058	0.016	0.010	0.56	0.66
7	17.165	-2.750	-1.230	1.051	1083.4	1391.1	535.1	79.8	1.222	1.127	0.984	-0.267	1.120	0.004	0.128	8.54	0.21
8	18.498	-2.750	-1.230	1.049	1080.9	1392.4	534.5	79.8	1.175	1.095	0.996	-0.194	1.091	-0.084	0.058	3.04	-4.39
9	19.831	-2.750	-1.230	1.049	1081.3	1389.9	533.8	79.5	1.062	1.010	0.998	-0.022	1.008	-0.052	0.029	1.63	-2.93

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 609 3.003 5.00 24 1201 4.99

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VM/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	4.250	-1.230	1.053	1084.5	1392.0	535.9	79.9	1.100	1.036	0.997	-0.076	1.032	0.006	0.093	5.15	0.36
7	11.166	4.250	-1.230	1.052	1084.2	1391.5	535.6	79.8	0.960	0.926	0.997	0.144	0.922	0.036	0.087	5.39	2.22
8	11.832	4.250	-1.230	1.052	1083.9	1388.5	534.3	79.7	0.876	0.857	0.999	0.284	0.849	0.081	0.078	5.23	5.47
9	12.498	4.250	-1.230	1.050	1082.1	1390.9	534.5	79.7	0.892	0.871	0.998	0.254	0.857	0.137	0.074	4.91	9.06
10	13.164	4.250	-1.230	1.052	1083.8	1391.9	535.6	79.8	1.073	1.016	0.998	-0.035	1.013	0.079	0.033	1.88	4.43
11	13.830	4.250	-1.230	1.052	1083.6	1392.0	535.6	79.7	0.913	0.888	0.998	0.221	0.885	0.077	-0.002	-0.14	4.98
12	14.496	4.250	-1.230	1.051	1082.9	1390.1	534.5	79.8	0.992	0.953	0.999	0.092	0.952	0.055	0.065	0.32	3.32
13	15.162	4.250	-1.230	1.052	1083.6	1391.5	535.3	79.9	1.013	0.969	0.998	0.059	0.969	0.034	0.019	1.14	2.04
14	15.828	4.250	-1.230	1.052	1083.5	1390.0	534.7	79.8	1.031	0.984	0.999	0.030	0.983	0.022	0.027	1.56	1.28
15	16.494	4.250	-1.230	1.054	1085.2	1391.4	536.0	79.9	1.128	1.057	0.998	-0.116	1.054	-0.005	0.077	4.20	-0.29
16	17.160	4.250	-1.230	1.052	1083.9	1391.4	535.4	79.9	1.133	1.061	0.993	-0.131	1.056	-0.003	0.111	5.98	-0.16
17	17.826	4.250	-1.230	1.052	1084.1	1391.9	535.6	80.0	1.134	1.062	0.996	-0.128	1.057	0.011	0.107	5.81	0.62
18	18.492	4.250	-1.230	1.050	1087.7	1392.0	535.0	80.0	1.219	1.126	0.993	-0.255	1.119	-0.028	0.120	6.13	-1.42
19	19.158	4.250	-1.230	1.053	1084.4	1390.8	535.4	79.8	1.151	1.075	0.992	-0.158	1.070	-0.033	0.091	4.84	-1.77
20	19.824	4.250	-1.230	1.052	1083.9	1391.6	535.5	79.9	1.082	1.023	0.997	-0.050	1.020	-0.016	0.080	4.47	-0.91

DATE 9-MAR-78 PROJECT NO PAIC-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 610 3.002 5.00 24

SURVEY ALFAS
1202 5.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SWL
2	10.500	3.500	-2.730	1.049	1081.6	1392.0	534.6	79.8	1.119	1.053	0.997	-0.109	1.049	0.006	0.098	5.32	0.35
3	10.833	3.500	-2.730	1.050	1082.6	1391.7	534.9	80.0	1.079	1.022	0.997	-0.048	1.019	0.014	0.082	4.63	0.79
4	11.166	3.500	-2.730	1.051	1083.0	1390.7	534.7	79.9	0.988	0.950	0.998	0.095	0.948	0.024	0.069	4.18	1.47
5	11.499	3.500	-2.730	1.051	1082.6	1390.7	534.6	79.8	0.946	0.916	0.998	0.166	0.914	0.029	0.057	3.59	1.83
6	11.832	3.500	-2.730	1.052	1083.4	1390.1	534.7	79.7	0.920	0.894	0.998	0.209	0.893	0.033	0.043	2.75	2.09
7	12.165	3.500	-2.730	1.052	1084.1	1390.9	535.3	79.9	0.908	0.884	0.998	0.230	0.883	0.036	0.047	1.77	2.31
8	12.498	3.500	-2.730	1.053	1084.5	1391.1	535.5	79.9	0.910	0.885	0.998	0.227	0.884	0.038	0.015	0.94	2.45
9	12.831	3.500	-2.730	1.053	1084.6	1390.6	535.5	79.6	0.944	0.913	0.999	0.172	0.912	0.041	0.013	0.82	2.55
10	13.164	3.500	-2.730	1.052	1083.6	1390.1	534.8	79.7	1.033	0.985	0.999	0.029	0.984	0.043	0.024	1.39	2.51
11	13.497	3.500	-2.730	1.052	1083.9	1390.7	535.1	79.8	1.023	0.977	0.998	0.043	0.976	0.042	0.024	1.43	2.48
12	13.830	3.500	-2.730	1.052	1084.2	1391.4	535.5	79.9	0.978	0.941	0.999	0.116	0.940	0.043	0.021	1.27	2.64
13	14.163	3.500	-2.730	1.052	1084.2	1391.9	535.7	79.9	0.976	0.939	0.999	0.120	0.938	0.043	0.018	1.08	2.61
14	14.496	3.500	-2.730	1.050	1082.0	1390.1	534.1	79.7	0.987	0.950	0.999	0.098	0.949	0.042	0.018	1.09	2.53
15	14.829	3.500	-2.730	1.052	1083.8	1391.6	535.4	79.9	1.022	0.977	0.998	0.044	0.976	0.041	0.021	1.20	2.50
16	15.162	3.500	-2.730	1.053	1084.3	1391.0	535.5	79.8	1.035	0.987	0.998	0.025	0.986	0.038	0.024	1.39	2.18
17	15.495	3.500	-2.730	1.052	1084.1	1390.7	535.2	79.8	1.044	0.993	0.999	0.012	0.992	0.033	0.028	1.62	1.91
18	15.828	3.500	-2.730	1.049	1081.0	1388.3	533.0	79.6	1.040	0.993	0.999	0.013	0.992	0.027	0.032	1.82	1.57
19	16.161	3.500	-2.730	1.051	1082.7	1389.7	534.3	79.6	1.047	0.997	0.999	0.004	0.996	0.023	0.036	2.04	1.35
20	16.494	3.500	-2.730	1.049	1080.9	1391.3	534.0	79.8	1.053	1.004	0.998	-0.010	1.003	0.021	0.041	2.32	1.19
21	16.827	3.500	-2.730	1.049	1081.5	1389.3	533.6	79.7	1.072	1.017	0.999	-0.036	1.016	0.019	0.047	2.64	1.05
22	17.160	3.500	-2.730	1.051	1082.4	1389.7	534.2	79.6	1.099	1.037	0.998	-0.076	1.036	0.017	0.057	3.14	0.94
23	17.493	3.500	-2.730	1.053	1084.1	1389.9	535.0	79.6	1.126	1.056	0.998	-0.114	1.054	0.016	0.068	3.71	0.86
26	17.826	3.500	-2.730	1.051	1082.4	1391.5	534.9	79.6	1.131	1.061	0.996	-0.126	1.058	0.017	0.077	4.14	0.84
27	18.159	3.500	-2.730	1.052	1083.3	1390.0	534.7	79.6	1.123	1.054	0.996	-0.114	1.052	0.019	0.075	4.10	1.01
28	18.492	3.500	-2.730	1.052	1083.6	1389.1	534.5	79.6	1.121	1.053	0.996	-0.110	1.049	0.021	0.079	4.28	1.16
29	18.825	3.500	-2.730	1.051	1082.6	1390.4	534.5	79.7	1.154	1.078	0.997	-0.158	1.073	0.022	0.100	5.31	1.19
30	19.158	3.500	-2.730	1.053	1084.8	1391.5	535.8	79.8	1.188	1.101	0.995	-0.206	1.094	0.024	0.122	6.34	1.25
31	19.491	3.500	-2.730	1.051	1082.7	1392.2	535.2	79.8	1.170	1.090	0.991	-0.189	1.083	0.036	0.119	6.28	1.36

DATE 9-28-78 PROJECT NO P41C-N0C

AND, INC.

AEC DIVISION

A STEVENS CORPORATION COMPANY

PROPULSION WIND TUNNEL

ABOL AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS

TC-512 611 3.002 5.00 24 1203 5.01

DATE 2-21-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PVL/PT	CPL	UL/VM	VL/VM	WL/VM	AL/VM	SWL
2	10.500	3.500	-1.980	1.051	1083.0	1392.3	535.3	79.9	1.103	1.040	0.996	-0.084	1.036	0.010	0.093	5.14	0.56
3	10.833	3.500	-1.980	1.051	1083.1	1390.9	534.8	79.9	1.037	0.989	0.997	0.018	0.985	0.023	0.083	4.80	1.35
4	11.166	3.500	-1.980	1.051	1083.0	1390.2	534.5	79.9	0.952	0.921	0.998	0.156	0.918	0.033	0.072	4.48	2.06
5	11.499	3.500	-1.980	1.053	1084.0	1391.1	535.5	79.7	0.911	0.886	0.997	0.225	0.883	0.039	0.058	3.73	2.54
6	11.832	3.500	-1.980	1.053	1085.0	1392.2	536.2	79.8	0.866	0.847	0.998	0.302	0.846	0.046	0.025	1.71	3.12
7	12.165	3.500	-1.980	1.052	1083.6	1390.5	534.8	80.0	0.836	0.823	0.999	0.350	0.822	0.045	-0.021	-1.48	3.14
8	12.498	3.500	-1.980	1.051	1083.4	1391.3	535.1	79.9	0.854	0.838	0.999	0.321	0.834	0.061	-0.055	-3.60	4.21
9	12.831	3.500	-1.980	1.052	1084.2	1390.4	535.1	79.8	0.971	0.935	0.998	0.127	0.932	0.068	-0.037	-2.25	4.16
10	13.164	3.500	-1.980	1.053	1084.7	1390.9	535.6	79.7	1.100	1.036	0.998	-0.074	1.033	0.069	0.010	0.55	3.84
11	13.497	3.500	-1.980	1.049	1081.5	1390.2	534.0	79.7	1.004	0.964	0.999	0.070	0.962	0.069	0.010	0.58	4.07
12	13.830	3.500	-1.980	1.051	1082.6	1390.8	534.7	79.6	0.942	0.913	0.998	0.172	0.910	0.066	0.004	0.27	4.17
13	14.163	3.500	-1.980	1.052	1083.7	1391.0	535.2	79.7	0.954	0.922	0.998	0.154	0.919	0.066	0.002	0.15	4.11
14	14.496	3.500	-1.980	1.052	1083.8	1389.0	534.6	79.6	0.985	0.947	0.998	0.103	0.945	0.066	0.004	0.24	4.01
15	14.829	3.500	-1.980	1.053	1085.0	1390.0	535.3	79.8	1.038	0.988	0.999	0.022	0.986	0.066	0.009	0.54	3.83
17	15.162	3.500	-1.980	1.053	1085.0	1388.4	534.8	79.8	1.053	1.000	0.999	-0.001	0.998	0.059	0.013	0.77	3.58
18	15.495	3.500	-1.980	1.051	1082.8	1391.4	534.9	79.8	1.053	1.002	0.999	-0.006	1.001	0.049	0.016	0.52	2.79
19	15.828	3.500	-1.980	1.049	1081.3	1391.0	534.2	79.7	1.046	0.998	0.999	0.003	0.997	0.040	0.020	1.15	2.30
20	16.161	3.500	-1.980	1.051	1083.1	1391.4	535.1	79.7	1.062	1.009	0.998	-0.020	1.008	0.034	0.024	1.37	1.93
21	16.494	3.500	-1.980	1.050	1082.0	1390.0	534.1	79.7	1.082	1.025	0.998	-0.051	1.024	0.032	0.030	1.70	1.80
22	16.827	3.500	-1.980	1.050	1082.1	1390.1	534.2	79.6	1.104	1.041	0.998	-0.085	1.024	0.030	0.039	2.16	1.66
23	17.160	3.500	-1.980	1.053	1084.0	1391.7	535.7	79.5	1.126	1.056	0.997	-0.115	1.024	0.029	0.048	2.62	1.58
24	17.493	3.500	-1.980	1.050	1081.7	1389.8	533.9	79.7	1.123	1.056	0.997	-0.115	1.034	0.030	0.052	2.85	1.52
25	17.826	3.500	-1.980	1.052	1083.6	1392.8	535.8	79.8	1.118	1.050	0.995	-0.106	1.049	0.029	0.051	2.81	1.59
26	18.159	3.500	-1.980	1.048	1080.3	1391.2	533.8	79.7	1.120	1.055	0.996	-0.114	1.053	0.034	0.060	3.28	1.84
27	18.492	3.500	-1.980	1.050	1082.5	1391.1	534.7	79.8	1.209	1.119	0.997	-0.238	1.110	0.031	0.134	6.90	1.51
28	18.825	3.500	-1.980	1.052	1083.4	1391.3	535.1	79.8	1.215	1.122	0.990	-0.250	1.113	0.031	0.138	7.05	1.58
29	19.158	3.500	-1.980	1.054	1085.2	1391.6	536.0	79.9	1.189	1.101	0.988	-0.214	1.093	0.041	0.127	6.62	2.17
30	19.491	3.500	-1.980	1.052	1083.9	1392.0	535.6	80.0	1.133	1.062	0.992	-0.132	1.057	0.036	0.096	5.21	1.94

CITE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARMOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIG 24

SURVEY ALFAS 1204 5.01

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
6	10.500	2.750	-1.230	1.053	1087.9	1408.4	542.5	82.7	1.048	0.996	0.998	0.006	0.991	0.927	0.090	5.18	1.53
7	10.833	2.750	-1.230	1.050	1084.9	1407.5	539.0	82.4	0.956	0.925	0.999	0.149	0.920	0.038	0.081	5.01	2.37
8	11.166	2.750	-1.230	1.051	1085.6	1398.8	538.0	82.0	0.905	0.882	0.999	0.235	0.878	0.046	0.068	4.45	3.00
9	11.499	2.750	-1.230	1.050	1084.0	1397.2	536.8	81.7	0.868	0.851	0.998	0.294	0.849	0.045	0.054	3.62	3.04
10	11.832	2.750	-1.230	1.053	1086.2	1394.8	537.0	81.4	0.825	0.813	0.998	0.370	0.811	0.021	0.040	2.83	1.50
11	12.165	2.750	-1.230	1.053	1085.8	1394.2	536.6	81.3	0.798	0.790	0.999	0.416	0.789	0.024	0.030	2.21	1.76
12	12.498	2.750	-1.230	1.053	1086.4	1393.6	536.8	81.1	0.819	0.807	0.999	0.382	0.804	0.060	0.025	1.80	4.30
13	12.831	2.750	-1.230	1.050	1082.9	1392.8	535.1	80.8	0.897	0.876	0.999	0.246	0.875	0.043	0.012	0.41	2.84
14	13.164	2.750	-1.230	1.050	1083.0	1393.2	535.3	80.7	1.053	1.002	0.999	0.006	1.002	0.003	0.002	0.13	0.16
15	13.497	2.750	-1.230	1.052	1084.3	1393.3	535.9	80.7	0.921	0.895	0.999	0.209	0.895	0.006	0.020	1.27	0.39
16	13.830	2.750	-1.230	1.053	1085.4	1393.3	536.5	80.4	0.891	0.868	0.998	0.260	0.867	0.018	0.041	2.70	1.17
17	14.163	2.750	-1.230	1.054	1086.1	1394.0	537.1	80.4	0.901	0.877	0.998	0.243	0.875	0.022	0.055	3.57	1.47
18	14.496	2.750	-1.230	1.055	1086.5	1395.3	537.8	80.4	1.004	0.963	0.998	0.071	0.962	0.013	0.037	2.21	0.77
19	14.829	2.750	-1.230	1.051	1083.2	1394.8	536.2	80.4	1.018	0.973	0.998	0.052	0.973	0.008	0.025	1.55	0.47
20	15.162	2.750	-1.230	1.052	1084.1	1392.6	535.7	80.4	0.994	0.954	0.998	0.089	0.954	0.006	0.013	0.79	0.35
21	15.495	2.750	-1.230	1.052	1084.4	1392.7	535.9	80.3	0.995	0.954	0.998	0.088	0.954	0.004	0.002	0.15	0.25
22	15.828	2.750	-1.230	1.052	1084.5	1391.0	535.4	80.2	1.067	1.013	0.998	0.029	1.013	0.002	0.025	1.41	0.12
23	16.161	2.750	-1.230	1.050	1082.6	1394.4	535.7	80.4	1.067	1.013	0.998	0.029	1.013	0.002	0.025	1.41	0.12
24	16.494	2.750	-1.230	1.050	1082.6	1393.7	535.6	80.4	1.141	1.069	0.998	0.029	1.066	0.014	0.075	4.01	0.76
25	16.827	2.750	-1.230	1.052	1083.8	1393.0	535.3	80.2	1.166	1.087	0.995	0.177	1.080	0.025	0.118	6.22	1.31
26	17.160	2.750	-1.230	1.053	1085.1	1393.4	536.5	80.3	1.121	1.052	0.990	0.116	1.048	0.006	0.095	5.16	0.34
27	17.493	2.750	-1.230	1.053	1085.0	1393.2	536.3	80.3	1.108	1.043	0.993	0.087	1.039	0.000	0.084	4.59	0.00
28	17.826	2.750	-1.230	1.049	1082.2	1393.9	535.3	80.4	1.104	1.042	0.998	0.087	1.039	0.007	0.083	4.54	0.35
29	18.159	2.750	-1.230	1.052	1084.3	1395.2	536.8	80.4	1.127	1.057	0.996	0.118	1.054	0.022	0.087	4.70	1.17
30	18.492	2.750	-1.230	1.053	1085.4	1394.1	536.8	80.5	1.205	1.113	0.995	0.229	1.104	0.114	0.082	4.27	5.90
31	18.825	2.750	-1.230	1.054	1086.1	1392.8	536.8	80.5	1.212	1.118	0.993	0.239	1.107	0.126	0.091	4.68	6.47
32	19.158	2.750	-1.230	1.051	1083.7	1392.7	535.5	80.5	1.173	1.092	0.989	0.194	1.084	0.107	0.074	3.91	5.66
33	19.491	2.750	-1.230	1.050	1082.9	1394.0	535.6	80.6	1.109	1.045	0.993	0.098	1.040	0.082	0.060	3.32	4.50

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALF CONFIG SURVEY ALPAS

TC-532 613 2.997 5.00 24 1205 4.98

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-1.230	1.052	1084.3	1391.8	535.4	80.6	1.043	0.993	0.998	0.011	0.989	-0.030	0.090	5.18	-1.74
3	11.833	-2.750	-1.230	1.051	1083.9	1393.9	536.1	80.5	0.824	0.813	0.998	0.369	0.811	-0.022	0.038	2.89	-1.57
4	13.166	-2.750	-1.230	1.052	1084.2	1394.1	536.2	80.6	1.067	1.012	0.998	-0.027	1.012	-0.017	-0.003	-0.19	-0.95
5	14.499	-2.750	-1.230	1.051	1083.9	1392.6	535.6	80.4	0.951	0.920	0.999	0.159	0.918	0.012	-0.047	-2.94	0.77
6	15.832	-2.750	-1.230	1.052	1084.0	1390.5	534.9	80.3	1.014	0.970	0.998	0.057	0.970	-0.000	-0.001	-0.03	-0.01
7	17.165	-2.750	-1.230	1.049	1081.3	1389.4	533.4	80.1	1.112	1.049	0.992	-0.107	1.045	-0.008	0.089	4.64	-0.44
8	18.498	-2.750	-1.230	1.052	1084.1	1390.5	535.1	80.0	1.183	1.098	0.996	-0.198	1.091	-0.100	0.077	4.02	-5.25
9	19.831	-2.750	-1.230	1.052	1083.7	1389.0	534.4	79.8	1.073	1.016	0.998	-0.035	1.014	-0.057	0.047	2.67	-3.21

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APMOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIC 24

SURVEY 1201

ALFAS 0.00

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	Tt	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
7	10.500	4.250	-1.230	1.104	1125.7	1374.5	546.5	78.5	1.155	1.037	0.996	-0.078	1.037	-0.006	0.001	0.05	-0.31
8	11.166	4.250	-1.230	1.104	1125.8	1375.2	546.8	78.7	1.143	1.028	0.996	-0.061	1.028	-0.002	-0.000	-0.02	-0.10
9	11.832	4.250	-1.230	1.102	1123.9	1373.9	545.5	78.6	0.912	0.855	0.997	0.288	0.853	0.048	-0.013	-0.84	3.19
10	12.498	4.250	-1.230	1.103	1125.0	1376.3	547.0	78.5	0.896	0.841	0.997	0.317	0.833	0.111	-0.019	-1.27	7.61
11	13.164	4.250	-1.230	1.101	1123.6	1375.2	546.0	78.5	1.150	1.035	0.998	-0.073	1.033	0.042	-0.045	-2.51	2.30
12	13.830	4.250	-1.230	1.101	1123.5	1374.9	545.8	78.6	1.019	0.939	0.995	0.117	0.935	0.034	-0.073	-4.47	2.07
13	14.496	4.250	-1.230	1.102	1124.1	1374.3	545.8	78.6	1.064	0.972	0.998	0.054	0.970	0.028	-0.060	-3.56	1.67
14	15.162	4.250	-1.230	1.104	1125.7	1375.5	546.9	78.5	1.142	1.028	0.995	-0.061	1.028	0.012	-0.013	-0.74	0.57
15	15.828	4.250	-1.230	1.103	1124.6	1375.8	546.6	78.6	1.144	1.030	0.990	-0.070	1.030	0.018	0.001	0.07	1.02
16	16.494	4.250	-1.230	1.101	1123.7	1375.8	546.2	78.7	1.180	1.057	0.993	-0.120	1.056	-0.002	0.026	1.43	-0.10
17	17.160	4.250	-1.230	1.103	1125.1	1376.3	546.9	78.7	1.282	1.124	0.981	-0.281	1.119	-0.050	0.091	4.65	-2.55
18	17.826	4.250	-1.230	1.102	1124.2	1376.0	546.4	78.7	1.215	1.081	0.970	-0.190	1.078	0.014	0.078	4.14	-1.98
19	18.492	4.250	-1.230	1.103	1125.2	1377.8	547.5	78.8	1.283	1.135	0.980	-0.263	1.121	-0.039	0.083	4.24	-1.98
20	19.158	4.250	-1.230	1.102	1124.0	1375.7	546.3	78.7	1.237	1.095	0.987	-0.201	1.092	-0.083	0.034	1.79	-4.34
21	19.824	4.250	-1.230	1.102	1124.4	1374.2	545.9	78.6	1.104	1.001	0.995	-0.009	1.000	-0.044	0.009	0.52	-2.52

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 623 3.000 0.00 1.002 0.00

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-2.730	1.101	1123.7	1375.6	546.1	78.7	1.153	1.037	0.995	-0.079	1.037	-0.006	0.002	0.14	-0.31
3	10.833	3.500	-2.730	1.101	1123.5	1374.9	545.8	78.6	1.151	1.036	0.995	-0.077	1.036	-0.005	0.001	0.07	-0.27
4	11.166	3.500	-2.730	1.101	1123.0	1374.0	545.3	78.5	1.144	1.032	0.996	-0.068	1.032	-0.004	0.001	0.07	-0.21
5	11.499	3.500	-2.730	1.101	1123.6	1374.9	545.9	78.5	1.088	0.990	0.996	0.015	0.990	0.004	-0.015	-0.86	0.22
6	11.832	3.500	-2.730	1.102	1124.0	1375.3	546.1	78.7	0.963	0.895	0.997	0.207	0.894	0.009	-0.032	-2.08	0.55
7	12.165	3.500	-2.730	1.103	1125.0	1375.5	546.5	78.8	0.933	0.871	0.997	0.256	0.870	0.011	-0.048	-3.14	0.76
8	12.498	3.500	-2.730	1.103	1124.8	1375.2	546.4	78.7	0.942	0.878	0.999	0.243	0.876	0.013	-0.056	-3.66	0.87
9	12.831	3.500	-2.730	1.103	1124.9	1376.3	546.9	78.6	1.028	0.944	0.998	0.109	0.943	0.015	-0.057	-3.43	0.52
10	13.164	3.500	-2.730	1.103	1125.5	1377.1	547.4	78.8	1.103	1.000	0.997	-0.003	0.999	0.016	-0.040	-2.31	0.91
11	13.497	3.500	-2.730	1.103	1125.2	1375.4	546.6	78.7	1.145	1.030	0.997	-0.063	1.030	0.016	-0.015	-0.82	0.99
12	13.830	3.500	-2.730	1.103	1125.4	1375.2	546.6	78.8	1.133	1.021	0.995	-0.048	1.021	0.014	-0.015	-0.85	0.80
13	14.163	3.500	-2.730	1.102	1124.3	1375.1	546.1	78.7	1.075	0.980	0.995	0.034	0.980	0.010	-0.027	-1.56	0.61
14	14.496	3.500	-2.730	1.102	1124.4	1375.1	546.2	78.7	1.053	0.964	0.997	0.069	0.963	0.007	-0.031	-1.83	0.41
15	14.829	3.500	-2.730	1.103	1125.1	1375.5	546.6	78.7	1.079	0.983	0.998	0.032	0.982	0.003	-0.028	-1.65	0.19
16	15.162	3.500	-2.730	1.103	1125.5	1376.6	547.1	78.8	1.108	1.003	0.998	-0.009	1.003	0.001	-0.020	-1.16	0.03
17	15.495	3.500	-2.730	1.102	1124.5	1375.9	546.5	78.7	1.128	1.018	0.997	-0.040	1.018	-0.001	-0.009	-0.52	-0.08
18	15.828	3.500	-2.730	1.103	1124.7	1375.2	546.3	78.7	1.141	1.028	0.996	-0.060	1.028	-0.001	-0.002	-0.14	-0.05
19	16.161	3.500	-2.730	1.101	1123.6	1373.9	545.4	78.6	1.164	1.045	0.996	-0.095	1.045	-0.004	0.008	0.42	-0.23
20	16.494	3.500	-2.730	1.102	1124.0	1375.0	546.0	78.7	1.187	1.061	0.994	-0.127	1.061	-0.008	0.016	0.86	-0.45
21	16.827	3.500	-2.730	1.102	1124.2	1374.9	546.0	78.6	1.196	1.067	0.992	-0.142	1.067	-0.013	0.018	0.95	-0.70
22	17.160	3.500	-2.730	1.101	1123.3	1375.8	546.0	78.7	1.195	1.067	0.990	-0.143	1.067	-0.015	0.017	0.91	-0.80
23	17.493	3.500	-2.730	1.101	1123.5	1373.7	545.3	78.6	1.190	1.064	0.991	-0.136	1.063	-0.005	0.024	1.28	-0.26
24	17.826	3.500	-2.730	1.103	1125.4	1376.0	546.9	78.7	1.215	1.079	0.991	-0.165	1.078	-0.009	0.037	1.99	-0.48
25	18.159	3.500	-2.730	1.104	1125.7	1376.4	547.2	78.6	1.238	1.095	0.988	-0.198	1.093	-0.012	0.050	2.64	-0.61
26	18.492	3.500	-2.730	1.102	1124.6	1375.2	546.3	78.7	1.258	1.109	0.985	-0.228	1.107	-0.014	0.061	3.17	-0.74
27	18.825	3.500	-2.730	1.102	1124.2	1374.5	545.9	78.6	1.260	1.111	0.983	-0.234	1.109	-0.014	0.059	3.07	-0.72
28	19.158	3.500	-2.730	1.104	1125.7	1375.9	547.1	78.5	1.271	1.116	0.982	-0.245	1.114	-0.014	0.075	3.86	-0.75
29	19.491	3.500	-2.730	1.104	1126.3	1376.8	547.6	78.7	1.295	1.132	0.978	-0.277	1.128	-0.006	0.085	4.33	-0.28

DATE 9-MAR-78 PROJECT NO P41C-N0C

AFJ, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 625 3.001 0.00 24 SURVEY ALPAs

1203 0.00

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VWL/VM	PFL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-1.980	1.101	1123.0	1375.3	545.9	78.4	1.150	1.036	0.995	-0.077	1.036	-0.005	0.002	0.10	-0.30
3	10.833	3.500	-1.980	1.101	1123.0	1375.7	545.9	78.6	1.148	1.034	0.995	-0.073	1.034	-0.005	0.001	0.04	-0.25
4	11.166	3.500	-1.980	1.102	1123.8	1374.7	545.8	78.6	1.136	1.025	0.996	-0.054	1.025	0.000	-0.004	-0.24	0.00
5	11.499	3.500	-1.980	1.101	1123.4	1375.3	545.0	78.4	1.046	0.959	0.996	0.077	0.959	0.010	-0.021	-1.25	0.59
6	11.832	3.500	-1.980	1.102	1123.8	1374.8	545.9	78.5	0.910	0.853	0.997	0.292	0.851	0.015	-0.047	-3.14	1.03
7	12.165	3.500	-1.980	1.102	1123.8	1374.5	545.8	78.5	0.876	0.826	0.997	0.346	0.821	0.019	-0.085	-5.89	1.31
8	12.498	3.500	-1.980	1.103	1124.9	1376.3	546.9	78.6	0.894	0.839	0.996	0.317	0.832	0.023	-0.109	-7.44	1.57
9	12.831	3.500	-1.980	1.103	1125.4	1375.6	546.8	78.7	1.072	0.977	0.997	0.042	0.972	0.024	-0.094	-5.54	1.44
10	13.164	3.500	-1.980	1.102	1124.7	1374.0	545.8	78.7	1.169	1.047	0.997	-0.098	1.047	0.022	-0.030	-1.66	1.22
11	13.497	3.500	-1.980	1.103	1125.1	1376.4	546.9	78.8	1.167	1.046	0.991	-0.100	1.045	0.022	-0.012	-0.68	1.18
12	13.830	3.500	-1.980	1.102	1124.4	1374.1	545.8	78.6	1.101	0.999	0.993	-0.007	0.999	0.015	-0.027	-1.55	0.87
13	14.163	3.500	-1.980	1.100	1122.8	1374.0	545.2	78.6	1.046	0.960	0.995	0.075	0.959	0.009	-0.034	-2.01	0.55
14	14.496	3.500	-1.980	1.102	1124.2	1375.5	546.3	78.6	1.061	0.970	0.997	0.057	0.969	0.006	-0.034	-2.02	0.36
15	14.829	3.500	-1.980	1.103	1124.9	1375.6	546.6	78.6	1.097	0.990	0.998	0.006	0.995	0.003	-0.029	-1.68	0.15
16	15.162	3.500	-1.980	1.103	1124.7	1375.0	546.3	78.7	1.123	1.015	0.997	-0.033	1.015	-0.002	-0.021	-1.20	-0.10
17	15.495	3.500	-1.980	1.101	1123.6	1375.5	546.0	78.7	1.135	1.025	0.996	-0.054	1.025	-0.002	-0.013	-0.73	-0.13
18	15.828	3.500	-1.980	1.102	1124.3	1374.9	546.0	78.7	1.147	1.032	0.993	-0.072	1.032	-0.004	-0.004	-0.23	-0.23
19	16.161	3.500	-1.980	1.102	1124.2	1376.0	546.5	78.6	1.163	1.044	0.993	-0.096	1.044	-0.010	-0.001	-0.03	-0.57
20	16.494	3.500	-1.980	1.101	1123.1	1376.0	546.0	78.6	1.165	1.046	0.991	-0.102	1.046	-0.015	-0.003	-0.16	-0.81
21	16.827	3.500	-1.980	1.102	1123.9	1375.6	546.2	78.7	1.172	1.051	0.990	-0.111	1.050	-0.017	-0.000	-0.32	-0.55
22	17.160	3.500	-1.980	1.102	1124.3	1375.1	546.2	78.6	1.190	1.063	0.990	-0.136	1.063	-0.019	0.006	0.31	-1.02
23	17.493	3.500	-1.980	1.103	1124.6	1374.6	546.2	78.4	1.200	1.069	0.987	-0.151	1.069	-0.011	0.016	0.86	-0.60
24	17.826	3.500	-1.980	1.102	1123.9	1375.4	545.1	78.7	1.222	1.085	0.986	-0.183	1.085	-0.016	0.024	1.27	-0.83
25	18.159	3.500	-1.980	1.102	1124.2	1375.1	546.1	78.7	1.239	1.096	0.983	-0.207	1.096	-0.020	0.027	1.39	-1.06
26	18.492	3.500	-1.980	1.103	1124.7	1374.4	546.1	78.6	1.275	1.120	0.981	-0.253	1.117	-0.021	0.079	4.07	-1.06
27	18.825	3.500	-1.980	1.103	1124.9	1374.6	546.3	78.4	1.311	1.143	0.976	-0.301	1.139	-0.019	0.095	4.77	-0.56
28	19.158	3.500	-1.980	1.101	1123.4	1374.4	545.6	78.5	1.272	1.119	0.973	-0.259	1.117	-0.013	0.071	3.63	-0.69
29	19.491	3.500	-1.980	1.102	1124.3	1374.8	546.1	78.5	1.166	1.046	0.978	-0.115	1.046	-0.009	0.008	0.43	-0.47

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 626 3.001 0.00 24 1204 0.00

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VM/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
2	10.500	2.750	-1.230	1.104	1125.9	1374.8	546.7	78.5	1.147	1.031	0.995	-0.066	1.031	-0.001	-0.002	-0.11	-0.07
3	10.833	2.750	-1.230	1.100	1122.6	1375.3	545.6	78.6	1.110	1.008	0.995	-0.020	1.007	0.007	-0.011	-0.63	0.41
4	11.166	2.750	-1.230	1.099	1121.8	1374.7	545.9	78.6	1.062	0.973	0.997	0.051	0.972	0.014	-0.021	-1.21	0.82
5	11.499	2.750	-1.230	1.101	1121.2	1375.3	545.9	78.5	1.025	0.943	0.997	0.112	0.943	0.014	-0.029	-1.75	0.84
6	11.832	2.750	-1.230	1.102	1121.9	1374.8	545.9	78.6	0.902	0.847	1.000	0.308	0.846	-0.010	-0.032	-2.19	-0.70
7	12.165	2.750	-1.230	1.102	1124.3	1375.8	546.4	78.6	0.855	0.808	0.999	0.384	0.805	-0.057	-0.036	-2.59	-4.03
8	12.498	2.750	-1.230	1.102	1124.3	1375.6	546.3	78.7	0.861	0.813	0.998	0.373	0.807	-0.090	-0.041	-2.91	-6.38
9	12.831	2.750	-1.230	1.102	1124.5	1375.2	546.3	78.7	0.987	0.913	0.998	0.172	0.908	-0.080	-0.050	-3.16	-5.02
10	13.164	2.750	-1.230	1.103	1125.4	1375.6	546.7	78.8	1.159	1.040	0.999	-0.081	1.038	-0.015	-0.059	-3.25	-0.85
11	13.497	2.750	-1.230	1.103	1125.0	1375.9	546.7	78.8	1.169	1.047	0.993	-0.101	1.046	0.004	-0.063	-3.47	0.25
12	13.830	2.750	-1.230	1.104	1125.6	1374.9	546.6	78.6	1.075	0.979	0.994	0.035	0.976	-0.024	-0.080	-4.66	-1.38
13	14.163	2.750	-1.230	1.103	1125.1	1375.6	546.6	78.7	1.042	0.955	0.997	0.087	0.951	-0.030	-0.082	-4.92	-1.81
14	14.496	2.750	-1.230	1.102	1124.0	1375.5	546.2	78.7	1.100	0.999	0.998	0.001	0.996	-0.028	-0.059	-3.41	-1.62
15	14.829	2.750	-1.230	1.102	1124.1	1375.7	546.3	78.8	1.146	1.032	0.997	-0.068	1.032	-0.026	-0.028	-1.55	-1.45
16	15.162	2.750	-1.230	1.103	1125.1	1376.6	547.0	78.8	1.161	1.042	0.993	-0.091	1.042	-0.014	0.001	0.08	-0.79
17	15.495	2.750	-1.230	1.103	1125.2	1376.0	546.8	78.8	1.168	1.061	0.992	-0.129	1.060	-0.018	0.032	1.72	-0.99
18	15.828	2.750	-1.230	1.101	1125.7	1375.8	546.8	78.9	1.175	1.053	0.989	-0.116	1.052	-0.027	0.033	1.78	-1.46
19	16.161	2.750	-1.230	1.102	1124.0	1376.4	546.5	78.8	1.164	1.045	0.986	-0.105	1.044	-0.027	0.033	1.83	-1.47
20	16.494	2.750	-1.230	1.103	1125.1	1376.8	547.1	78.8	1.203	1.071	0.992	-0.149	1.070	-0.018	0.054	2.90	-0.99
21	16.827	2.750	-1.230	1.103	1125.0	1375.6	546.6	78.7	1.242	1.098	0.987	-0.206	1.094	-0.014	0.095	4.95	-0.72
22	17.160	2.750	-1.230	1.103	1125.1	1374.4	546.2	78.7	1.260	1.110	0.979	-0.236	1.101	-0.009	0.140	7.24	-0.46
23	17.493	2.750	-1.230	1.103	1125.3	1374.3	546.2	78.7	1.226	1.087	0.973	-0.199	1.079	-0.048	0.121	6.38	-2.55
24	17.826	2.750	-1.230	1.101	1123.9	1375.3	546.0	78.8	1.179	1.055	0.976	-0.135	1.051	-0.027	0.093	5.06	-1.47
25	18.159	2.750	-1.230	1.102	1124.2	1375.9	546.5	78.6	1.166	1.046	0.986	-0.107	1.043	-0.006	0.072	3.94	-0.32
26	18.492	2.750	-1.230	1.101	1123.3	1376.1	546.1	78.8	1.279	1.124	0.990	-0.253	1.118	0.094	0.076	3.88	4.78
27	18.825	2.750	-1.230	1.102	1124.2	1375.9	546.4	78.8	1.228	1.089	0.977	-0.199	1.083	0.098	0.054	2.86	5.17
28	19.158	2.750	-1.230	1.102	1124.8	1377.3	547.2	78.8	1.231	1.091	0.986	-0.193	1.086	0.090	0.054	2.85	4.72
29	19.491	2.750	-1.230	1.103	1125.4	1376.8	547.2	78.8	1.154	1.036	0.986	-0.087	1.034	0.062	0.040	2.20	3.41

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APNOLD AIP FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-332 627 3.000 0.00 24 1205 0.00

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	H	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-1.230	1.104	1125.8	1375.8	547.0	78.8	1.143	1.028	0.995	-0.062	1.028	-0.001	-0.002	-0.13	-0.08
3	11.833	-2.750	-1.230	1.102	1123.9	1374.2	545.7	78.6	0.900	0.845	0.999	0.310	0.844	0.011	-0.031	-2.12	0.72
4	13.166	-2.750	-1.230	1.099	1121.9	1374.2	544.9	78.6	1.162	1.045	0.999	-0.092	1.044	0.004	-0.055	-3.02	0.23
5	14.499	-2.750	-1.230	1.102	1123.8	1375.1	546.0	78.5	1.099	0.998	0.998	0.001	0.996	0.026	-0.057	-3.27	1.49
6	15.832	-2.750	-1.230	1.104	1125.8	1377.1	547.5	78.8	1.197	1.066	0.989	-0.142	1.065	0.026	0.037	1.97	1.42
7	17.165	-2.750	-1.230	1.101	1123.6	1376.7	546.5	78.8	1.287	1.130	0.978	-0.274	1.121	-0.031	0.138	7.02	-1.59
8	18.498	-2.750	-1.230	1.101	1123.4	1374.7	545.6	78.8	1.228	1.090	0.992	-0.186	1.086	-0.088	0.045	2.36	-4.64
9	19.831	-2.750	-1.230	1.101	1123.9	1375.9	546.3	78.8	1.129	1.020	0.996	-0.045	1.019	-0.030	0.025	1.42	-1.66

DATE 9-MAR-78 PROJECT NO P41C-NOC

APD, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 634 3.001 2.00 24 1201 1.99

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VWL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
7	10.500	4.250	-1.230	1.101	1125.1	1381.8	548.4	80.4	1.152	1.037	0.995	-0.078	1.036	-0.007	0.039	2.17	-0.37
8	11.166	4.250	-1.230	1.102	1125.7	1380.6	548.2	80.4	1.128	1.020	0.996	-0.043	1.019	0.003	0.034	1.90	0.15
9	11.832	4.250	-1.230	1.103	1127.1	1382.2	549.3	80.5	0.904	0.947	0.997	0.303	0.845	0.056	0.023	1.55	3.80
10	12.498	4.250	-1.230	1.102	1125.9	1383.0	549.2	80.5	0.892	0.839	0.997	0.320	0.830	0.120	0.019	1.35	8.20
11	13.164	4.250	-1.230	1.101	1125.3	1381.6	548.4	80.4	1.133	1.023	0.998	-0.049	1.022	0.055	-0.010	-0.55	3.07
12	13.830	4.250	-1.230	1.100	1124.0	1381.2	547.8	80.4	0.957	0.892	0.997	0.214	0.890	0.047	-0.045	-2.93	3.03
13	14.496	4.250	-1.230	1.102	1126.1	1382.2	549.0	80.4	1.049	0.961	0.998	0.076	0.959	0.039	-0.037	-2.22	2.34
16	15.162	4.250	-1.230	1.104	1127.5	1381.7	549.3	80.4	1.100	0.998	0.997	0.001	0.997	0.021	-0.001	-0.03	1.23
17	15.828	4.250	-1.230	1.100	1124.7	1382.0	548.3	80.6	1.082	0.987	0.994	0.020	0.986	0.019	0.008	0.44	1.10
18	16.494	4.250	-1.230	1.100	1124.8	1381.4	548.0	80.7	1.161	1.044	0.996	-0.091	1.043	-0.002	0.044	2.42	-6.12
19	17.160	4.250	-1.230	1.101	1125.7	1381.8	548.5	80.7	1.230	1.091	0.987	-0.192	1.085	-0.025	0.113	5.94	-1.34
21	17.826	4.250	-1.230	1.104	1127.9	1382.0	549.5	80.7	1.164	1.043	0.980	-0.108	1.039	0.013	0.092	5.06	0.74
22	18.492	4.250	-1.230	1.097	1121.9	1380.8	546.7	80.7	1.268	1.120	0.987	-0.248	1.115	-0.038	0.101	5.18	-1.95
23	19.158	4.250	-1.230	1.102	1126.5	1382.7	549.2	80.8	1.238	1.095	0.986	-0.202	1.092	-0.060	0.061	3.22	-3.12
24	19.824	4.250	-1.230	1.099	1124.3	1382.8	548.4	80.8	1.103	1.003	0.995	-0.012	1.002	-0.027	0.036	2.05	-1.56

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 635 2.998 2.00 24 1202 2.01

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CDL	UL/VM	VL/VM	WL/VM	AAL	SWL
4	10.500	3.500	-2.730	1.096	1121.7	1381.9	547.1	80.6	1.151	1.039	0.996	-0.082	1.039	-0.004	0.040	2.23	-0.20
5	10.833	3.500	-2.730	1.103	1121.0	1382.6	549.3	80.7	1.151	1.035	0.996	-0.075	1.034	-0.003	0.039	2.15	-0.16
6	11.166	3.500	-2.730	1.104	1121.5	1381.1	549.0	80.6	1.149	1.033	0.996	-0.069	1.032	-0.002	0.038	2.10	-0.11
7	11.499	3.500	-2.730	1.103	1126.8	1380.9	548.6	80.7	1.077	0.981	0.996	0.033	0.991	0.010	0.015	0.88	0.60
8	11.832	3.500	-2.730	1.101	1125.5	1381.6	548.4	80.6	0.941	0.978	0.997	0.241	0.878	0.015	-0.004	-0.28	0.99
9	12.165	3.500	-2.730	1.102	1126.6	1381.9	548.9	80.7	0.929	0.963	0.998	0.273	0.862	0.020	-0.019	-1.28	1.33
10	12.498	3.500	-2.730	1.104	1128.0	1383.0	549.9	80.7	0.929	0.967	0.997	0.264	0.866	0.023	-0.010	-1.98	1.52
11	12.831	3.500	-2.730	1.101	1125.3	1380.5	547.9	80.7	0.984	0.912	0.998	0.174	0.912	0.025	-0.030	-1.87	1.59
12	13.164	3.500	-2.730	1.099	1125.8	1380.4	547.2	80.7	1.085	0.990	0.999	0.019	0.989	0.027	-0.014	-0.82	1.55
13	13.497	3.500	-2.730	1.100	1124.7	1381.6	548.1	80.7	1.118	1.013	0.998	-0.028	1.013	0.020	0.003	0.18	1.48
14	13.830	3.500	-2.730	1.101	1125.7	1381.8	548.5	80.7	1.065	0.973	0.997	0.050	0.973	0.023	-0.005	-0.29	1.34
15	14.163	3.500	-2.730	1.103	1127.0	1381.7	549.0	80.7	0.997	0.920	0.996	0.155	0.920	0.018	-0.012	-0.73	1.12
16	14.496	3.500	-2.730	1.104	1128.0	1381.6	549.3	80.7	1.029	0.944	0.998	0.109	0.944	0.017	-0.013	-0.79	1.03
17	14.829	3.500	-2.730	1.102	1126.3	1380.9	548.4	80.6	1.057	0.967	0.999	0.064	0.967	0.017	-0.010	-0.62	0.98
18	15.162	3.500	-2.730	1.100	1125.1	1380.7	547.8	80.8	1.080	0.985	0.999	0.029	0.985	0.016	-0.004	-0.20	0.91
19	15.495	3.500	-2.730	1.102	1126.5	1382.6	549.1	80.8	1.106	1.003	0.998	-0.009	1.003	0.014	0.005	0.28	0.80
20	15.828	3.500	-2.730	1.103	1127.4	1383.1	549.6	80.9	1.130	1.019	0.998	-0.041	1.019	0.011	0.014	0.77	0.63
21	16.161	3.500	-2.730	1.100	1125.1	1382.7	548.6	80.9	1.147	1.034	0.996	-0.071	1.033	0.010	0.022	1.24	0.56
22	16.494	3.500	-2.730	1.102	1126.2	1383.8	549.5	80.8	1.145	1.031	0.995	-0.068	1.031	0.011	0.025	1.38	0.53
23	16.827	3.500	-2.730	1.098	1124.2	1382.3	547.7	80.8	1.139	1.030	0.994	-0.066	1.029	0.010	0.023	1.30	0.56
24	17.160	3.500	-2.730	1.099	1123.7	1381.9	547.8	80.7	1.150	1.037	0.996	-0.079	1.037	0.007	0.029	1.60	0.38
25	17.493	3.500	-2.730	1.101	1125.3	1382.2	548.5	80.7	1.169	1.049	0.995	-0.103	1.048	0.005	0.030	2.16	0.25
26	17.826	3.500	-2.730	1.102	1126.4	1381.2	548.5	80.9	1.190	1.063	0.994	-0.131	1.062	0.003	0.052	2.82	0.14
27	18.159	3.500	-2.730	1.104	1126.0	1383.6	550.0	81.0	1.212	1.077	0.992	-0.160	1.075	0.000	0.065	3.44	0.02
28	18.492	3.500	-2.730	1.102	1126.9	1384.0	549.7	81.1	1.221	1.084	0.989	-0.176	1.082	0.001	0.065	3.45	0.03
29	18.825	3.500	-2.730	1.103	1127.9	1384.3	550.2	81.2	1.212	1.077	0.988	-0.165	1.075	0.001	0.064	3.42	0.04
30	19.158	3.500	-2.730	1.100	1125.6	1383.5	549.0	81.2	1.254	1.108	0.990	-0.222	1.104	0.002	0.094	4.25	0.11
31	19.491	3.500	-2.730	1.099	1124.7	1383.9	548.8	81.2	1.281	1.127	0.983	-0.265	1.122	0.004	0.106	5.41	0.22

DATE 9-WAR-78 PROJECT NO P41C-NOC

APD, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARHOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

IC-532 636 2.995 2.00 24 SURVEY ALFAS

1203 2.01

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	10.500	3.500	-1.980	1.098	1123.2	1382.1	547.5	81.1	1.150	1.038	0.996	-0.079	1.037	-0.003	0.039	2.16	-0.16
5	10.833	3.500	-1.980	1.104	1126.6	1383.0	549.8	81.1	1.150	1.034	0.996	-0.071	1.033	-0.001	0.039	2.18	-0.08
6	11.166	3.500	-1.980	1.102	1126.6	1384.0	549.5	81.2	1.127	1.019	0.996	-0.041	1.018	0.006	0.029	1.64	0.33
7	11.499	3.500	-1.980	1.099	1124.8	1382.5	548.3	81.2	0.982	0.911	0.997	0.175	0.911	0.021	0.010	0.62	1.34
8	11.832	3.500	-1.980	1.101	1125.7	1383.7	549.1	81.2	0.894	0.841	0.998	0.316	0.840	0.027	-0.018	-1.21	1.66
9	12.165	3.500	-1.980	1.102	1126.8	1383.3	549.3	81.2	0.860	0.812	0.998	0.374	0.809	0.034	-0.060	-4.23	2.39
10	12.498	3.500	-1.980	1.098	1123.1	1383.9	548.2	81.1	0.874	0.826	0.998	0.345	0.821	0.040	-0.090	-6.26	2.77
11	12.831	3.500	-1.980	1.099	1124.3	1383.1	548.3	81.2	1.034	0.952	0.998	0.094	0.948	0.043	-0.075	-4.51	2.60
12	13.164	3.500	-1.980	1.104	1128.8	1383.5	550.2	81.1	1.154	1.036	0.998	-0.074	1.035	0.042	-0.012	-0.67	2.30
13	13.497	3.500	-1.980	1.100	1125.5	1383.9	549.1	81.2	1.139	1.028	0.995	-0.061	1.027	0.038	0.004	0.22	2.12
14	13.830	3.500	-1.980	1.101	1126.2	1384.2	549.5	81.1	1.016	0.936	0.995	0.122	0.936	0.029	-0.017	-1.01	1.80
15	14.163	3.500	-1.980	1.103	1127.4	1383.7	549.8	81.2	0.975	0.904	0.996	0.187	0.903	0.026	-0.021	-1.36	1.67
16	14.496	3.500	-1.980	1.103	1127.4	1382.1	549.1	81.1	1.030	0.946	0.998	0.106	0.946	0.027	-0.021	-1.30	1.64
17	14.829	3.500	-1.980	1.100	1125.2	1383.6	548.9	81.1	1.075	0.982	0.998	0.034	0.981	0.026	-0.015	-2.86	1.53
18	15.162	3.500	-1.980	1.105	1129.3	1385.5	551.2	81.2	1.105	1.000	0.996	-0.005	1.000	0.024	-0.068	-0.46	1.39
19	15.495	3.500	-1.980	1.104	1128.4	1383.7	550.1	81.3	1.125	1.015	0.997	-0.034	1.015	0.022	-0.001	-0.07	1.26
20	15.828	3.500	-1.980	1.102	1127.2	1384.4	550.0	81.1	1.139	1.026	0.996	-0.057	1.026	0.018	0.007	0.38	1.02
21	16.161	3.500	-1.980	1.104	1128.1	1384.3	550.4	80.9	1.141	1.027	0.994	-0.061	1.027	0.013	0.008	0.46	0.72
22	16.494	3.500	-1.980	1.101	1125.7	1383.4	549.0	81.0	1.133	1.023	0.994	-0.053	1.023	0.013	0.010	0.58	0.73
23	16.827	3.500	-1.980	1.102	1126.9	1383.6	549.6	81.0	1.143	1.029	0.995	-0.064	1.029	0.012	0.018	0.98	0.55
24	17.160	3.500	-1.980	1.104	1128.2	1383.9	550.2	81.0	1.161	1.041	0.994	-0.088	1.041	0.010	0.027	1.48	0.53
26	17.493	3.500	-1.980	1.100	1125.0	1383.8	549.0	81.0	1.178	1.056	0.992	-0.119	1.055	0.009	0.032	1.76	0.49
27	17.826	3.500	-1.980	1.102	1126.3	1384.4	549.7	81.0	1.186	1.060	0.989	-0.131	1.060	0.007	0.034	1.85	0.40
28	18.159	3.500	-1.980	1.103	1127.5	1384.1	550.0	81.1	1.179	1.054	0.987	-0.122	1.054	0.006	0.030	1.61	0.34
29	18.492	3.500	-1.980	1.104	1128.4	1383.2	550.0	81.1	1.259	1.108	0.989	-0.224	1.103	0.001	0.111	5.77	0.05
30	18.825	3.500	-1.980	1.103	1127.7	1383.3	549.8	81.0	1.283	1.125	0.980	-0.263	1.119	0.002	0.117	5.99	0.10
31	19.158	3.500	-1.980	1.100	1125.7	1384.0	549.2	81.3	1.275	1.122	0.976	-0.262	1.116	0.007	0.117	5.96	0.36
32	19.491	3.500	-1.980	1.102	1127.1	1384.8	550.0	81.3	1.166	1.046	0.978	-0.115	1.045	0.016	0.039	2.12	0.88

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 637 2.998 2.00 1204 1.98

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VML/VM	PT/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	2.750	-1.230	1.099	1125.7	1384.2	548.8	81.4	1.145	1.033	0.995	-0.071	1.032	0.001	0.039	2.15	0.08
3	10.833	2.750	-1.230	1.100	1125.3	1383.9	549.0	81.3	1.102	1.001	0.996	-0.088	1.001	0.014	0.026	1.49	0.81
4	11.166	2.750	-1.230	1.100	1125.4	1382.9	548.6	81.3	1.041	0.956	0.998	0.085	0.956	0.024	0.014	0.84	1.46
5	11.499	2.750	-1.230	1.103	1127.6	1384.9	550.2	81.4	0.945	0.880	0.997	0.337	0.880	0.026	0.004	0.29	1.72
6	11.832	2.750	-1.230	1.103	1127.5	1385.4	550.4	81.3	0.876	0.825	0.998	0.349	0.825	0.005	-0.004	-0.28	0.33
7	12.165	2.750	-1.230	1.104	1128.5	1385.0	550.6	81.4	0.834	0.789	0.998	0.419	0.788	-0.042	-0.010	-0.71	-3.05
8	12.498	2.750	-1.230	1.100	1125.5	1386.3	549.9	81.4	0.842	0.799	0.998	0.401	0.795	-0.076	-0.015	-1.07	-5.49
9	12.831	2.750	-1.230	1.101	1126.2	1385.1	549.8	81.4	0.929	0.869	0.999	0.262	0.866	-0.068	-0.024	-1.59	-4.49
10	13.164	2.750	-1.230	1.101	1126.1	1384.0	549.3	81.4	1.126	1.019	1.000	-0.037	1.018	-0.014	-0.034	-1.94	-0.77
11	13.497	2.750	-1.230	1.102	1125.9	1383.8	549.5	81.4	1.112	1.007	0.998	-0.017	1.006	0.004	-0.047	-2.69	0.24
12	13.830	2.750	-1.230	1.104	1128.6	1385.4	550.8	81.4	0.944	0.879	0.997	0.240	0.876	-0.018	-0.064	-4.19	-1.19
13	14.163	2.750	-1.230	1.100	1125.2	1384.4	549.1	81.4	0.943	0.880	0.997	0.237	0.877	-0.025	-0.070	-4.55	-1.61
14	14.496	2.750	-1.230	1.102	1126.8	1385.5	550.1	81.4	1.034	0.950	0.999	0.100	0.948	-0.023	-0.059	-3.58	-1.40
15	14.829	2.750	-1.230	1.103	1127.8	1385.8	550.7	81.3	1.090	0.950	0.999	0.018	0.990	-0.017	-0.034	-1.98	-1.01
16	15.162	2.750	-1.230	1.100	1125.5	1385.2	549.5	81.4	1.135	1.025	0.998	-0.053	1.025	-0.016	-0.006	-0.33	-0.91
17	15.495	2.750	-1.230	1.102	1126.7	1385.1	549.9	81.4	1.143	1.030	0.995	-0.066	1.030	-0.018	0.008	0.45	-0.96
18	15.828	2.750	-1.230	1.103	1128.0	1385.3	550.5	81.4	1.130	1.020	0.991	-0.049	1.020	-0.018	0.010	0.54	-1.02
19	16.161	2.750	-1.230	1.098	1124.0	1384.6	548.7	81.4	1.150	1.037	0.995	-0.060	1.037	-0.010	0.030	1.65	-0.53
20	16.494	2.750	-1.230	1.100	1125.4	1385.0	549.4	81.4	1.178	1.056	0.995	-0.117	1.055	0.001	0.057	3.10	0.03
21	16.827	2.750	-1.230	1.102	1127.0	1385.6	550.3	81.4	1.214	1.079	0.992	-0.165	1.074	0.010	0.101	5.36	0.54
22	17.160	2.750	-1.230	1.101	1126.7	1385.5	550.1	81.4	1.227	1.089	0.985	-0.190	1.080	0.000	0.138	7.28	0.01
23	17.493	2.750	-1.230	1.101	1126.4	1385.7	550.0	81.5	1.163	1.045	0.977	-0.113	1.040	-0.010	0.095	5.19	-0.64
24	17.826	2.750	-1.230	1.102	1127.2	1385.4	550.3	81.4	1.162	1.043	0.990	-0.096	1.039	-0.009	0.087	4.60	-0.48
25	18.159	2.750	-1.230	1.102	1127.4	1386.3	550.7	81.4	1.167	1.047	0.991	-0.102	1.044	-0.003	0.080	4.37	-0.17
26	18.492	2.750	-1.230	1.099	1125.0	1385.0	549.3	81.4	1.291	1.133	0.992	-0.268	1.125	0.102	0.087	4.44	5.20
27	18.825	2.750	-1.230	1.101	1126.1	1385.0	549.7	81.4	1.218	1.083	0.977	-0.187	1.077	0.101	0.051	2.69	5.35
28	19.158	2.750	-1.230	1.102	1126.7	1382.7	549.1	81.3	1.226	1.088	0.989	-0.184	1.082	0.096	0.060	3.15	5.09
29	19.491	2.750	-1.230	1.104	1128.5	1383.6	550.1	81.3	1.155	1.037	0.988	-0.087	1.034	0.071	0.046	2.56	3.94

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 638 2.997 2.00 24

SURVEY ALFAS

1205 1.98

DATE
2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 47

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-1.230	1.099	1124.7	1383.1	548.5	81.2	1.141	1.030	0.996	-0.065	1.030	-0.008	0.038	2.10	-0.44
5	11.833	-2.750	-1.230	1.103	1128.2	1385.5	550.7	81.4	0.876	0.824	0.998	0.350	0.824	-0.005	-0.004	-0.27	-0.33
6	13.166	-2.750	-1.230	1.100	1125.2	1385.0	549.3	81.4	1.135	1.026	0.999	-0.052	1.025	-0.002	-0.032	-1.79	-0.13
8	14.499	-2.750	-1.230	1.098	1123.4	1383.5	548.2	81.1	1.037	0.955	0.999	0.089	0.953	0.020	-0.056	-3.35	1.19
9	15.832	-2.750	-1.230	1.103	1127.3	1384.1	549.9	81.1	1.137	1.025	0.992	-0.058	1.024	0.017	0.011	0.60	0.96
10	17.165	-2.750	-1.230	1.102	1127.2	1385.1	550.2	81.2	1.236	1.094	0.984	-0.201	1.066	-0.005	0.129	6.80	-0.26
11	18.498	-2.750	-1.230	1.100	1125.6	1383.5	549.0	81.2	1.235	1.095	0.993	-0.194	1.089	-0.098	0.054	2.82	-5.14
12	19.831	-2.750	-1.230	1.100	1125.3	1383.9	549.0	81.3	1.128	1.020	0.997	-0.045	1.019	-0.034	0.032	1.81	-1.93

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS
TC-S32 641 2.998 5.00 1201 5.00

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SNL
6	10.500	4.250	-1.230	1.096	1122.0	1384.4	547.9	81.3	1.154	1.042	0.996	-0.088	1.037	-0.004	0.097	5.33	-0.21
7	11.188	4.250	-1.230	1.101	1126.4	1385.1	549.8	81.4	1.043	0.937	0.995	0.080	0.453	0.027	0.082	4.89	1.60
8	11.832	4.250	-1.230	1.103	1127.9	1385.6	550.6	81.4	0.882	0.830	0.997	0.338	0.823	0.077	0.070	4.87	5.34
9	12.498	4.250	-1.230	1.102	1126.9	1385.3	550.1	81.4	0.894	0.840	0.996	0.316	0.827	0.132	0.066	4.55	9.04
10	13.164	4.250	-1.230	1.103	1127.9	1384.7	550.3	81.4	1.090	0.990	0.997	0.017	0.987	0.071	0.031	1.79	4.14
11	13.830	4.250	-1.230	1.100	1125.4	1384.9	549.4	81.4	0.914	0.858	0.997	0.283	0.855	0.071	-0.003	-0.18	4.72
12	14.496	4.250	-1.230	1.102	1126.8	1384.6	549.8	81.4	0.998	0.972	0.998	0.154	0.921	0.052	0.005	0.34	3.24
13	15.162	4.250	-1.230	1.101	1126.4	1384.4	549.5	81.4	1.028	0.945	0.998	0.108	0.945	0.033	0.020	1.23	2.01
14	15.828	4.250	-1.230	1.098	1124.1	1385.7	549.1	81.5	1.045	0.961	0.998	0.076	0.960	0.022	0.026	1.68	1.29
15	16.494	4.250	-1.230	1.101	1126.7	1385.4	550.0	81.5	1.135	1.034	0.997	-0.052	1.022	0.001	0.075	4.20	0.03
16	17.160	4.250	-1.230	1.104	1129.1	1385.9	551.2	81.5	1.158	1.039	0.991	-0.087	1.032	0.000	0.114	6.32	0.03
17	17.826	4.250	-1.230	1.105	1129.2	1387.0	551.7	81.4	1.150	1.033	0.993	-0.073	1.027	0.017	0.111	6.19	0.54
18	18.492	4.250	-1.230	1.102	1127.5	1386.5	550.7	81.6	1.265	1.114	0.990	-0.233	1.106	-0.046	0.128	6.59	-2.40
19	19.158	4.250	-1.230	1.098	1124.0	1385.6	549.1	81.5	1.216	1.084	0.975	-0.191	1.078	-0.033	0.102	5.41	-1.78
20	19.824	4.250	-1.230	1.102	1126.9	1385.7	550.2	81.6	1.116	1.011	0.994	-0.028	1.008	0.003	0.077	4.37	0.19

AD-A077 612

NIELSEN ENGINEERING AND RESEARCH INC MOUNTAIN VIEW CALIF F/G 20/4
DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS A--ETC (U)
MAY 78 S S STAHARA & A J CRISALLI F44620-75-C-0047

UNCLASSIFIED

NEAR-TR-163-VOL-3

AFOSR-TR-79-1072

NL

2 OF 3

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A077612



DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 642 2.996 5.00 24 SURVEY ALFAS

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	3.500	-2.730	1.099	1124.7	1383.8	548.6	81.5	1.153	1.039	0.996	-0.083	1.035	0.001	0.096	5.31	0.07
3	10.833	3.500	-2.730	1.101	1126.1	1384.7	549.5	81.5	1.153	1.038	0.996	-0.080	1.034	0.002	0.096	5.28	0.09
4	11.166	3.500	-2.730	1.102	1127.1	1385.2	550.2	81.4	1.120	1.013	0.995	-0.031	1.010	0.011	0.076	4.31	0.62
5	11.499	3.500	-2.730	1.104	1128.7	1385.6	550.9	81.4	0.977	0.905	0.995	0.185	0.903	0.023	0.054	3.40	1.49
6	11.832	3.500	-2.730	1.104	1129.0	1384.9	550.7	81.5	0.925	0.864	0.997	0.270	0.862	0.028	0.038	2.53	1.85
7	12.165	3.500	-2.730	1.098	1124.1	1385.4	549.0	81.5	0.910	0.855	0.997	0.287	0.854	0.032	0.024	1.59	2.13
8	12.498	3.500	-2.730	1.098	1124.2	1384.9	548.9	81.5	0.914	0.858	0.997	0.281	0.858	0.034	0.012	0.77	2.27
9	12.831	3.500	-2.730	1.099	1125.0	1385.8	549.5	81.6	0.948	0.885	0.997	0.229	0.884	0.037	0.010	0.68	2.33
10	13.164	3.500	-2.730	1.100	1125.2	1384.5	549.1	81.5	1.037	0.953	0.998	0.091	0.952	0.039	0.022	1.30	2.35
11	13.497	3.500	-2.730	1.101	1126.0	1384.5	549.4	81.5	1.025	0.943	0.998	0.112	0.942	0.038	0.021	1.30	2.31
12	13.830	3.500	-2.730	1.103	1127.9	1385.3	550.5	81.5	0.980	0.908	0.997	0.182	0.907	0.039	0.018	1.16	2.47
13	14.163	3.500	-2.730	1.097	1123.5	1385.4	548.8	81.6	0.977	0.909	0.998	0.181	0.908	0.040	0.016	1.03	2.49
14	14.496	3.500	-2.730	1.099	1124.5	1384.4	548.8	81.5	0.993	0.920	0.998	0.158	0.919	0.039	0.017	1.04	2.44
15	14.829	3.500	-2.730	1.100	1125.7	1385.1	549.5	81.6	1.028	0.947	0.998	0.105	0.946	0.039	0.019	1.15	2.35
16	15.162	3.500	-2.730	1.102	1127.2	1384.7	549.9	81.6	1.046	0.959	0.998	0.080	0.958	0.037	0.023	1.38	2.20
17	15.495	3.500	-2.730	1.104	1128.8	1385.9	551.0	81.6	1.054	0.964	0.997	0.070	0.963	0.034	0.026	1.57	1.99
18	15.828	3.500	-2.730	1.100	1125.8	1385.2	549.6	81.6	1.057	0.968	0.997	0.061	0.967	0.029	0.030	1.77	1.74
19	16.161	3.500	-2.730	1.103	1127.9	1385.7	550.6	81.6	1.059	0.968	0.997	0.060	0.967	0.027	0.031	1.86	1.58
20	16.494	3.500	-2.730	1.104	1128.8	1385.1	550.7	81.6	1.071	0.976	0.997	0.045	0.975	0.023	0.034	1.97	1.36
21	16.827	3.500	-2.730	1.101	1126.4	1385.7	550.0	81.6	1.094	0.995	0.997	0.028	0.994	0.022	0.040	2.32	1.28
22	17.160	3.500	-2.730	1.102	1127.6	1387.1	551.0	81.6	1.119	1.012	0.996	-0.028	1.011	0.021	0.050	2.85	1.18
23	17.493	3.500	-2.730	1.103	1127.8	1385.4	550.5	81.4	1.141	1.027	0.996	-0.059	1.025	0.020	0.061	3.39	1.09
24	17.826	3.500	-2.730	1.101	1126.2	1384.8	549.6	81.4	1.159	1.042	0.995	-0.088	1.039	0.019	0.071	3.89	1.07
25	18.159	3.500	-2.730	1.103	1128.1	1385.3	550.6	81.4	1.168	1.047	0.993	-0.100	1.044	0.018	0.074	4.04	1.00
26	18.492	3.500	-2.730	1.104	1129.1	1385.0	550.8	81.4	1.161	1.041	0.992	-0.090	1.038	0.019	0.072	3.98	1.03
27	18.825	3.500	-2.730	1.101	1126.4	1385.4	550.0	81.4	1.176	1.054	0.993	-0.114	1.050	0.021	0.080	4.38	1.15
28	19.158	3.500	-2.730	1.102	1127.1	1385.3	550.2	81.4	1.225	1.087	0.993	-0.178	1.080	0.024	0.117	6.17	1.27
29	19.491	3.500	-2.730	1.098	1123.9	1384.0	548.4	81.4	1.252	1.108	0.986	-0.226	1.100	0.026	0.132	6.84	1.36

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART MEX10-6 ALPHA CONFIG SURVEY ALFAS

IC-532 643 2.999 5.00 24 1203 5.01

AEC PROPULSION WIND TUNNEL
TRANSONIC 41DATE
2-21-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ME	VM/VM	PT/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SNL
2	10.500	3.500	-1.980	1.103	1128.2	1383.8	550.0	81.4	1.156	1.038	0.996	-0.080	1.034	0.002	0.095	5.25	0.14
3	10.833	3.500	-1.980	1.099	1128.7	1383.7	548.7	81.3	1.143	1.032	0.996	-0.068	1.027	0.005	0.093	5.15	0.33
4	11.166	3.500	-1.980	1.100	1125.7	1383.7	549.1	81.3	1.042	0.956	0.996	0.062	0.954	0.025	0.068	4.10	1.53
5	11.499	3.500	-1.980	1.102	1127.2	1385.0	550.2	81.2	0.923	0.863	0.996	0.270	0.861	0.035	0.051	3.41	2.34
6	11.832	3.500	-1.980	1.102	1127.0	1382.8	549.2	81.2	0.872	0.822	0.997	0.354	0.821	0.042	0.021	1.47	2.91
7	12.165	3.500	-1.980	1.103	1128.0	1383.3	549.8	81.1	0.844	0.798	0.997	0.401	0.796	0.048	-0.023	-1.64	3.43
8	12.498	3.500	-1.980	1.099	1124.0	1383.7	548.4	81.2	0.860	0.814	0.997	0.368	0.811	0.055	-0.050	-3.54	3.90
9	12.831	3.500	-1.980	1.104	1126.4	1384.2	550.3	81.2	0.980	0.907	0.997	0.183	0.904	0.060	-0.033	-2.58	3.82
10	13.164	3.500	-1.980	1.102	1127.3	1383.5	549.6	81.2	1.104	1.001	0.998	-0.006	0.999	0.063	0.010	0.57	3.52
11	13.497	3.500	-1.980	1.101	1126.0	1384.6	549.6	81.1	1.019	0.939	0.997	0.119	0.937	0.059	0.009	0.53	3.63
12	13.830	3.500	-1.980	1.103	1127.7	1385.0	550.4	81.1	0.949	0.883	0.996	0.230	0.881	0.060	0.004	0.23	3.92
13	14.163	3.500	-1.980	1.103	1127.5	1383.5	549.7	81.1	0.955	0.888	0.997	0.221	0.886	0.060	0.002	0.11	3.86
14	14.496	3.500	-1.980	1.105	1129.0	1384.3	550.6	81.1	0.993	0.916	0.997	0.164	0.914	0.060	0.003	0.17	3.75
15	14.829	3.500	-1.980	1.101	1125.7	1384.6	549.4	81.2	1.043	0.957	0.997	0.062	0.955	0.061	0.009	0.52	3.64
16	15.162	3.500	-1.980	1.102	1127.1	1384.9	550.1	81.2	1.060	0.969	0.996	0.058	0.968	0.055	0.013	0.77	3.28
17	15.495	3.500	-1.980	1.104	1128.5	1384.5	550.5	81.1	1.067	0.973	0.997	0.051	0.972	0.048	0.015	0.91	2.82
18	15.828	3.500	-1.980	1.104	1128.9	1384.2	550.5	81.2	1.070	0.975	0.997	0.046	0.974	0.041	0.018	1.02	2.43
19	16.161	3.500	-1.980	1.103	1127.6	1384.5	550.1	81.2	1.076	0.981	0.996	0.034	0.980	0.038	0.021	1.25	2.23
20	16.494	3.500	-1.980	1.103	1127.9	1383.3	549.9	81.2	1.093	0.993	0.997	0.011	0.992	0.035	0.026	1.52	2.04
21	16.827	3.500	-1.980	1.099	1124.4	1383.6	548.5	81.2	1.116	1.013	0.997	-0.028	1.012	0.034	0.034	1.94	1.90
22	17.160	3.500	-1.980	1.101	1126.3	1383.5	549.2	81.3	1.135	1.025	0.996	-0.054	1.023	0.031	0.044	2.46	1.75
23	17.493	3.500	-1.980	1.103	1127.8	1384.5	550.2	81.3	1.146	1.031	0.994	-0.068	1.029	0.031	0.049	2.75	1.73
24	17.826	3.500	-1.980	1.105	1129.3	1384.4	550.7	81.3	1.140	1.025	0.992	-0.060	1.024	0.031	0.049	2.73	1.75
25	18.159	3.500	-1.980	1.100	1125.4	1385.1	549.5	81.3	1.148	1.035	0.993	-0.077	1.033	0.030	0.053	2.91	1.67
26	18.492	3.500	-1.980	1.101	1126.5	1385.4	549.9	81.6	1.244	1.100	0.994	-0.204	1.091	0.029	0.141	7.37	1.52
27	18.825	3.500	-1.980	1.103	1128.4	1387.5	551.5	81.5	1.266	1.113	0.982	-0.239	1.103	0.030	0.147	7.59	1.56
28	19.158	3.500	-1.980	1.100	1125.7	1387.0	550.2	81.7	1.264	1.115	0.978	-0.246	1.105	0.032	0.144	7.43	1.61
29	19.491	3.500	-1.980	1.100	1125.8	1384.4	549.2	81.7	1.157	1.041	0.979	-0.104	1.037	0.042	0.078	4.29	2.30

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 646 2.995 5.00 24 1204 4.99

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	ABL	SWL
3	10.500	2.750	-1.230	1.099	1124.8	1383.9	548.6	81.7	1.141	1.030	0.996	-0.065	1.026	0.013	0.093	5.18	0.73
4	10.833	2.750	-1.230	1.100	1126.0	1385.1	549.5	81.7	1.058	0.969	0.996	0.057	0.965	0.033	0.076	4.47	1.94
5	11.166	2.750	-1.230	1.101	1126.9	1385.7	550.1	81.7	0.934	0.872	0.997	0.252	0.869	0.043	0.059	3.88	2.87
6	11.499	2.750	-1.230	1.102	1127.3	1385.0	550.1	81.5	0.885	0.833	0.997	0.332	0.830	0.042	0.045	3.12	2.90
7	11.832	2.750	-1.230	1.103	1128.0	1384.9	550.4	81.4	0.837	0.792	0.998	0.413	0.792	0.020	0.032	2.30	1.42
8	12.165	2.750	-1.230	1.099	1124.5	1384.0	548.7	81.4	0.808	0.771	0.998	0.455	0.770	-0.024	0.023	1.69	-1.79
9	12.498	2.750	-1.230	1.099	1124.9	1383.7	548.7	81.4	0.824	0.784	0.999	0.431	0.782	-0.056	0.017	1.27	-4.13
10	12.831	2.750	-1.230	1.101	1126.0	1385.0	549.6	81.4	0.901	0.846	0.998	0.306	0.845	-0.041	0.006	0.44	-2.77
11	13.164	2.750	-1.230	1.102	1127.0	1385.0	550.0	81.6	1.069	0.976	0.998	0.046	0.976	0.004	-0.006	-0.37	0.24
12	13.497	2.750	-1.230	1.103	1128.2	1384.7	550.2	81.7	0.934	0.871	0.998	0.256	0.871	-0.002	-0.021	-1.41	-0.14
13	13.830	2.750	-1.230	1.104	1129.1	1384.9	550.7	81.7	0.897	0.841	0.997	0.317	0.840	-0.013	-0.041	-2.82	-0.87
14	14.163	2.750	-1.230	1.101	1126.4	1384.1	549.3	81.7	0.907	0.851	0.998	0.296	0.849	-0.017	-0.052	-3.54	-1.16
15	14.496	2.750	-1.230	1.101	1126.4	1384.1	549.3	81.7	0.948	0.884	0.999	0.231	0.883	-0.014	-0.048	-3.12	-0.90
16	14.829	2.750	-1.230	1.103	1128.3	1385.8	550.7	81.7	1.021	0.939	0.998	0.120	0.938	-0.009	-0.037	-2.24	-0.35
17	15.162	2.750	-1.230	1.099	1124.9	1385.7	549.4	81.7	1.036	0.953	0.998	0.092	0.953	-0.004	-0.025	-1.49	-0.24
18	15.495	2.750	-1.230	1.100	1125.2	1384.7	549.1	81.6	1.024	0.944	0.998	0.110	0.944	-0.001	-0.015	-0.91	-0.08
19	15.828	2.750	-1.230	1.101	1126.6	1384.7	549.7	81.5	1.031	0.948	0.997	0.101	0.948	-0.002	-0.006	-0.34	-0.09
20	16.161	2.750	-1.230	1.103	1128.1	1385.6	550.7	81.4	1.095	0.994	0.997	0.009	0.994	0.002	0.020	1.16	0.09
21	16.494	2.750	-1.230	1.100	1125.6	1386.1	549.9	81.5	1.150	1.036	0.996	-0.076	1.034	0.010	0.060	3.31	0.55
22	16.827	2.750	-1.230	1.101	1126.0	1384.8	549.5	81.5	1.178	1.056	0.994	-0.117	1.050	0.021	0.103	5.58	1.15
23	17.160	2.750	-1.230	1.102	1127.6	1384.6	550.0	81.7	1.145	1.031	0.989	-0.074	1.027	0.003	0.091	5.06	0.19
24	17.493	2.750	-1.230	1.103	1128.5	1384.5	550.3	81.7	1.118	1.011	0.988	-0.036	1.008	-0.003	0.080	4.54	-0.19
25	17.826	2.750	-1.230	1.100	1125.5	1383.3	548.7	81.5	1.134	1.025	0.996	-0.054	1.022	-0.004	0.076	4.27	-0.21
26	18.159	2.750	-1.230	1.102	1126.9	1385.9	550.3	81.5	1.158	1.041	0.995	-0.086	1.037	0.006	0.082	4.54	0.33
27	18.492	2.750	-1.230	1.098	1123.6	1383.7	548.2	81.4	1.282	1.129	0.994	-0.257	1.119	0.111	0.100	5.10	5.68
28	18.825	2.750	-1.230	1.100	1125.6	1385.0	549.5	81.4	1.215	1.082	0.978	-0.184	1.074	0.113	0.060	3.19	6.01
29	19.158	2.750	-1.230	1.101	1126.5	1385.4	550.0	81.4	1.225	1.087	0.989	-0.184	1.080	0.101	0.078	4.13	5.36
30	19.491	2.750	-1.230	1.103	1128.4	1386.8	551.2	81.5	1.151	1.034	0.986	-0.083	1.030	0.066	0.060	3.33	3.66

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 647 3.001 5.00 24 1205 4.99

DATE 2-21-78 AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	-2.750	-1.230	1.102	1127.0	1384.9	550.0	81.4	1.138	1.026	0.995	-0.058	1.022	-0.019	0.095	5.29	-1.07
3	11.833	-2.750	-1.230	1.100	1125.3	1384.8	549.3	81.4	0.831	0.789	0.998	0.419	0.788	-0.020	0.034	2.45	-1.49
4	13.166	-2.750	-1.230	1.100	1125.5	1384.4	549.2	81.4	0.981	0.986	0.998	0.025	0.986	-0.015	-0.004	-0.25	-0.88
5	14.499	-2.750	-1.230	1.103	1127.5	1384.6	550.1	81.4	0.953	0.887	0.998	0.225	0.885	0.011	-0.048	-3.09	0.72
6	15.832	-2.750	-1.230	1.099	1124.9	1385.1	549.3	81.4	1.036	0.953	0.996	0.090	0.953	-0.001	-0.005	-0.29	-0.08
7	17.165	-2.750	-1.230	1.099	1124.4	1384.5	548.8	81.4	1.144	1.032	0.989	-0.077	1.029	-0.003	0.089	4.93	-0.16
8	18.498	-2.750	-1.230	1.100	1125.2	1385.9	549.7	81.5	1.261	1.113	0.993	-0.229	1.104	-0.118	0.079	4.10	-6.09
9	19.831	-2.750	-1.230	1.098	1124.2	1385.9	549.3	81.5	1.127	1.021	0.995	-0.048	1.019	-0.043	0.051	2.84	-2.39

DATE 9-MAR-78 PROJECT NO P41C-W0C

ARD, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARLORD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 780 3.004 0.00 25

SURVEY ALFAS

1301 0.00

DATE

2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 47

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
7	9.834	0.750	-2.208	0.929	980.3	1453.8	503.3	83.3	0.923	0.995	0.999	0.010	0.994	-0.002	-0.007	-0.43	-0.14
10	10.167	0.750	-2.208	0.927	978.2	1454.5	502.2	83.4	0.910	0.984	0.999	0.030	0.984	-0.001	-0.009	-0.52	-0.09
11	10.500	0.750	-2.208	0.926	977.1	1455.0	501.7	83.5	0.897	0.974	1.000	0.053	0.974	0.001	-0.011	-0.67	0.06
12	10.833	0.750	-2.208	0.927	978.0	1454.9	502.2	83.4	0.876	0.953	0.999	0.092	0.953	0.010	-0.014	-0.84	0.51
13	11.166	0.750	-2.208	0.927	978.0	1454.2	501.3	83.6	0.848	0.926	1.000	0.146	0.925	0.037	-0.016	-1.01	2.31
14	11.499	0.750	-2.208	0.927	978.5	1454.9	502.5	83.5	0.839	0.917	1.000	0.164	0.914	0.079	-0.018	-1.12	4.94
15	11.832	0.750	-2.208	0.928	979.6	1454.6	503.0	83.5	0.871	0.946	0.999	0.106	0.940	0.102	-0.020	-1.23	6.17
16	12.165	0.750	-2.208	0.929	980.1	1455.4	503.6	83.5	1.033	1.093	0.999	-0.188	1.091	0.068	-0.026	-1.34	3.56
19	12.498	0.750	-2.208	0.925	977.1	1456.5	502.0	83.9	1.094	1.149	0.999	-0.300	1.148	0.014	-0.041	-2.04	0.71
20	12.831	0.750	-2.208	0.924	975.9	1454.6	500.8	83.6	0.956	1.029	1.000	-0.058	1.027	0.022	-0.050	-2.79	1.21
21	13.164	0.750	-2.208	0.925	976.8	1455.1	501.5	83.7	0.955	1.027	0.999	-0.055	1.026	0.021	-0.046	-2.58	1.18
22	13.497	0.750	-2.208	0.926	977.9	1455.4	502.2	83.7	0.985	1.053	0.999	-0.108	1.052	0.016	-0.039	-2.10	0.89
23	13.830	0.750	-2.208	0.928	979.3	1456.3	503.2	83.9	1.009	1.073	0.999	-0.149	1.073	0.010	-0.030	-1.59	0.55
24	14.163	0.750	-2.208	0.929	980.0	1455.9	503.6	83.8	1.009	1.073	0.999	-0.147	1.072	0.007	-0.024	-1.26	0.39
25	14.496	0.750	-2.208	0.926	977.6	1455.9	502.1	83.8	1.000	1.067	0.999	-0.136	1.067	0.006	-0.020	-1.05	0.30
26	14.829	0.750	-2.208	0.927	978.4	1456.0	502.5	84.0	1.001	1.067	0.999	-0.136	1.067	0.006	-0.016	-0.86	0.30
27	15.162	0.750	-2.208	0.928	979.7	1457.0	503.7	84.0	1.018	1.081	1.000	-0.163	1.081	0.004	-0.013	-0.58	0.22
28	15.495	0.750	-2.208	0.925	977.1	1456.7	502.0	84.1	1.042	1.105	1.000	-0.212	1.105	0.000	-0.034	-0.19	0.00
29	15.828	0.750	-2.208	0.926	977.7	1456.9	502.5	84.0	1.055	1.116	0.999	-0.233	1.116	-0.005	0.008	0.42	-0.27
30	16.161	0.750	-2.208	0.928	979.3	1456.5	503.2	84.0	1.062	1.120	0.999	-0.242	1.120	-0.010	0.021	1.06	0.51
31	16.494	0.750	-2.208	0.930	981.7	1457.4	504.8	84.3	1.049	1.106	0.999	-0.214	1.106	-0.009	0.026	1.33	0.46
32	16.827	0.750	-2.208	0.926	978.3	1456.5	502.5	84.3	1.027	1.091	1.000	-0.183	1.091	-0.003	0.025	1.33	-0.14
33	17.160	0.750	-2.208	0.928	980.4	1458.4	504.3	84.4	1.011	1.074	0.999	-0.151	1.074	-0.001	0.024	1.30	-0.04
34	17.493	0.750	-2.208	0.928	979.4	1455.8	503.3	84.2	1.050	1.109	1.000	-0.220	1.109	-0.016	0.025	1.28	-0.35
35	17.826	0.750	-2.208	0.925	976.6	1458.4	502.3	84.0	1.089	1.146	0.999	-0.294	1.144	-0.059	0.026	1.29	-2.95
36	18.159	0.750	-2.208	0.927	979.0	1458.0	503.5	84.2	1.075	1.131	0.999	-0.265	1.128	-0.076	0.023	1.18	-3.54
37	18.492	0.750	-2.208	0.928	979.8	1456.0	503.3	84.0	0.990	1.056	0.999	-0.115	1.053	-0.073	0.021	1.12	-3.56
39	18.825	0.750	-2.208	0.928	979.7	1457.1	503.6	84.1	0.909	0.983	0.999	0.033	0.981	-0.054	0.019	1.09	-1.13
40	19.158	0.750	-2.208	0.930	981.2	1457.7	504.7	84.1	0.892	0.965	0.999	0.068	0.964	-0.037	0.017	0.99	-2.22
41	19.491	0.750	-2.208	0.926	978.6	1456.6	502.7	84.4	0.892	0.968	0.999	0.063	0.968	-0.027	0.016	0.92	-1.57

DATE 9-MAR-78 PROJECT NO P41C-N00

APO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARMHOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 781 2.994 0.00 25

SURVEY ALFAS
1302 0.00DATE
2-22-78AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SXL
1	9.834	0.000	-3.708	0.923	975.5	1456.6	500.8	84.4	0.922	1.000	1.000	0.001	1.000	-0.003	-0.009	-0.49	-0.17
2	10.167	0.000	-3.708	0.923	974.6	1455.4	500.6	83.8	0.916	0.994	1.000	0.012	0.994	-0.003	-0.011	-0.64	-0.18
3	10.500	0.000	-3.708	0.924	975.0	1455.5	500.8	83.3	0.909	0.986	0.999	0.026	0.986	-0.003	-0.015	-0.86	-0.19
4	10.833	0.000	-3.708	0.923	974.6	1453.6	499.9	83.3	0.900	0.979	1.000	0.042	0.979	-0.003	-0.021	-1.25	-0.19
5	11.166	0.000	-3.708	0.925	976.5	1455.0	501.5	83.3	0.895	0.972	0.999	0.055	0.971	-0.004	-0.032	-1.87	-0.21
6	11.499	0.000	-3.708	0.925	976.0	1453.3	500.6	83.1	0.897	0.974	0.999	0.050	0.973	-0.004	-0.043	-2.53	-0.22
7	11.832	0.000	-3.708	0.926	976.9	1455.0	501.8	83.1	0.911	0.986	0.999	0.026	0.985	-0.004	-0.049	-2.85	-0.21
8	12.165	0.000	-3.708	0.926	976.8	1453.4	501.2	83.0	0.958	1.029	0.999	0.060	1.028	-0.004	-0.042	-2.34	-0.21
9	12.498	0.000	-3.708	0.927	977.5	1453.5	501.7	83.0	1.029	1.092	1.000	-0.186	1.092	-0.005	-0.027	-1.41	-0.24
10	12.831	0.000	-3.708	0.928	978.3	1453.7	502.2	83.0	1.011	1.075	0.999	-0.152	1.075	-0.004	-0.020	-1.08	-0.22
11	13.164	0.000	-3.708	0.929	979.6	1454.0	503.1	83.0	0.982	1.048	0.999	-0.097	1.048	-0.004	-0.019	-1.03	-0.20
12	13.497	0.000	-3.708	0.925	976.4	1453.5	501.0	83.0	0.980	1.050	0.999	-0.101	1.049	-0.004	-0.016	-0.88	-0.21
13	13.830	0.000	-3.708	0.926	977.0	1454.4	501.7	83.0	0.989	1.057	0.999	-0.116	1.057	-0.004	-0.014	-0.74	-0.20
14	14.163	0.000	-3.708	0.927	977.8	1453.5	501.9	82.9	0.992	1.059	0.999	-0.120	1.059	-0.004	-0.011	-0.58	-0.20
15	14.496	0.000	-3.708	0.929	979.6	1454.2	503.1	83.0	0.999	1.063	0.999	-0.129	1.063	-0.003	-0.009	-0.48	-0.18
16	14.829	0.000	-3.708	0.925	976.1	1453.6	500.9	83.0	0.998	1.067	0.999	-0.135	1.067	-0.003	-0.007	-0.37	-0.19
17	15.162	0.000	-3.708	0.925	976.4	1453.4	501.0	83.0	1.003	1.071	0.999	-0.143	1.071	-0.003	-0.004	-0.27	-0.17
18	15.495	0.000	-3.708	0.926	976.7	1452.8	501.0	82.9	1.018	1.083	1.000	-0.167	1.083	-0.003	-0.000	-0.61	-0.17
19	15.828	0.000	-3.708	0.929	979.5	1454.1	503.0	83.0	1.033	1.093	0.999	-0.188	1.093	-0.003	0.005	0.24	-0.17
20	16.161	0.000	-3.708	0.923	974.1	1453.2	499.6	83.0	1.033	1.099	1.000	-0.200	1.099	-0.003	0.010	0.54	-0.18
21	16.494	0.000	-3.708	0.923	974.5	1452.4	499.5	83.0	1.018	1.086	1.000	-0.173	1.086	-0.003	0.013	0.71	-0.18
22	16.827	0.000	-3.708	0.927	977.5	1453.4	501.6	83.0	1.010	1.075	1.000	-0.152	1.075	-0.003	0.015	0.82	-0.17
23	17.160	0.000	-3.708	0.928	979.1	1452.2	502.1	83.0	0.996	1.062	1.000	-0.124	1.061	-0.003	0.017	0.91	-0.17
24	17.493	0.000	-3.708	0.927	977.7	1452.3	501.4	83.0	0.995	1.051	1.000	-0.123	1.061	-0.003	0.021	1.12	-0.18
25	17.826	0.000	-3.708	0.927	977.7	1453.7	501.8	83.0	0.995	1.062	0.999	-0.126	1.062	-0.004	0.027	1.47	-0.19
26	18.159	0.000	-3.708	0.929	979.3	1452.6	502.4	83.0	0.999	1.055	0.999	-0.110	1.054	-0.003	0.034	1.83	-0.19
27	18.492	0.000	-3.708	0.927	977.5	1451.2	500.9	83.0	0.993	1.034	0.999	-0.050	1.024	-0.004	0.035	1.94	-0.21
28	18.825	0.000	-3.708	0.927	978.6	1452.7	502.6	82.0	0.930	1.001	0.999	-0.003	1.000	-0.003	0.031	1.76	-0.19
29	19.158	0.000	-3.708	0.929	976.8	1448.7	500.4	81.5	0.915	0.989	0.999	0.022	0.988	-0.003	0.024	1.41	-0.20
30	19.491	0.000	-3.708	0.929	978.1	1448.9	501.3	81.4	0.912	0.985	0.999	0.029	0.985	-0.003	0.019	1.10	-0.20

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 782 3.001 0.00 25

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SWL
2	9.834	0.000	-2.958	0.927	976.3	1446.6	499.5	81.2	0.925	0.998	0.999	0.003	0.998	-0.003	-0.006	-0.45	-0.17
3	10.167	0.000	-2.958	0.926	975.6	1447.5	499.5	81.1	0.911	0.986	0.998	0.025	0.986	-0.003	-0.010	-0.56	-0.18
4	10.500	0.000	-2.958	0.926	975.5	1447.6	499.5	81.1	0.901	0.976	0.999	0.046	0.976	-0.003	-0.014	-0.82	-0.17
5	10.833	0.000	-2.958	0.927	976.5	1448.0	500.2	81.1	0.882	0.958	0.999	0.082	0.958	-0.003	-0.026	-1.54	-0.19
6	11.166	0.000	-2.958	0.927	976.3	1446.1	499.4	81.1	0.853	0.930	0.999	0.136	0.929	-0.003	-0.054	-3.35	-0.20
7	11.499	0.000	-2.958	0.927	976.0	1446.2	499.3	81.0	0.845	0.923	1.000	0.151	0.919	-0.004	-0.095	-5.89	-0.23
8	11.832	0.000	-2.958	0.928	976.9	1446.2	499.9	80.9	0.881	0.957	0.999	0.085	0.950	-0.004	-0.115	-6.91	-0.23
9	12.165	0.000	-2.958	0.924	973.0	1445.0	497.2	80.8	1.054	1.117	1.000	-0.235	1.114	-0.005	-0.081	-4.15	-0.24
10	12.498	0.000	-2.958	0.923	972.7	1445.5	497.2	80.8	1.104	1.160	1.000	-0.321	1.160	-0.005	-0.025	-1.23	-0.26
11	12.831	0.000	-2.958	0.925	973.8	1445.7	498.0	80.7	1.002	1.070	0.999	-0.142	1.070	-0.004	-0.023	-1.23	-0.24
12	13.164	0.000	-2.958	0.926	974.8	1445.2	498.4	80.7	0.958	1.030	0.999	-0.061	1.030	-0.005	-0.024	-1.33	-0.25
13	13.497	0.000	-2.958	0.927	975.6	1446.0	499.1	80.8	0.980	1.049	0.999	-0.099	1.048	-0.005	-0.020	-1.09	-0.29
14	13.830	0.000	-2.958	0.927	976.2	1445.3	499.2	80.8	1.003	1.069	0.999	-0.139	1.069	-0.005	-0.014	-0.77	-0.29
15	14.163	0.000	-2.958	0.929	977.5	1446.3	500.4	80.7	1.010	1.073	0.999	-0.147	1.073	-0.005	-0.013	-0.70	-0.26
16	14.496	0.000	-2.958	0.924	973.1	1444.2	497.0	80.7	1.010	1.078	0.999	-0.158	1.078	-0.004	-0.008	-0.43	-0.24
17	14.829	0.000	-2.958	0.925	973.9	1445.7	498.1	80.7	1.009	1.076	1.000	-0.153	1.076	-0.004	-0.007	-0.36	-0.23
18	15.162	0.000	-2.958	0.927	976.0	1445.0	499.1	80.7	1.029	1.091	0.999	-0.185	1.091	-0.004	-0.003	-0.17	-0.20
19	15.495	0.000	-2.958	0.928	977.2	1444.8	499.6	80.8	1.043	1.102	0.999	-0.206	1.102	-0.003	-0.004	0.19	-0.18
20	15.828	0.000	-2.958	0.926	974.9	1446.6	498.9	80.9	1.055	1.115	0.999	-0.233	1.115	-0.003	0.007	0.36	-0.15
21	16.161	0.000	-2.958	0.924	973.3	1444.6	497.4	80.7	1.050	1.113	0.999	-0.228	1.113	-0.003	0.013	0.67	-0.18
22	16.494	0.000	-2.958	0.927	975.4	1445.0	498.7	80.7	1.046	1.107	0.999	-0.215	1.105	-0.003	0.015	0.79	-0.17
23	16.827	0.000	-2.958	0.928	976.9	1446.0	499.9	80.8	1.034	1.095	0.999	-0.192	1.095	-0.003	0.016	0.86	-0.18
26	17.160	0.000	-2.958	0.922	971.0	1446.0	496.4	80.8	1.006	1.077	0.999	-0.156	1.077	-0.003	0.017	0.88	-0.16
27	17.493	0.000	-2.958	0.926	975.2	1445.1	498.6	80.7	1.046	1.107	0.999	-0.217	1.107	-0.004	0.032	1.65	-0.20
28	17.826	0.000	-2.958	0.929	977.4	1444.5	499.7	80.7	1.097	1.148	0.999	-0.298	1.146	-0.004	0.074	3.69	-0.21
29	18.159	0.000	-2.958	0.928	976.1	1444.7	499.1	80.6	1.088	1.142	0.999	-0.287	1.139	-0.004	0.088	4.40	-0.22
30	18.492	0.000	-2.958	0.927	978.0	1444.5	499.0	80.5	1.017	1.081	0.999	-0.163	1.077	-0.004	0.081	4.30	-0.20
31	18.825	0.000	-2.958	0.930	977.9	1445.3	500.4	80.5	0.919	0.991	0.999	0.016	0.989	-0.004	0.061	3.52	-0.20
32	19.158	0.000	-2.958	0.926	975.1	1443.1	497.9	80.7	0.894	0.970	0.999	0.058	0.970	-0.003	0.042	2.48	-0.19
33	19.491	0.000	-2.958	0.929	977.8	1445.6	500.3	80.7	0.899	0.972	0.999	0.053	0.972	-0.003	0.032	1.88	-0.20

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVEPDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARAGLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 783 3.001 0.00 25 1304 0.00

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.925	973.9	1445.4	498.0	80.6	0.919	0.995	1.000	0.010	0.995	-0.004	-0.007	-0.39	-0.25
2	11.167	-0.750	-2.208	0.927	975.8	1445.2	499.0	80.7	0.848	0.926	0.999	0.146	0.925	-0.046	-0.014	-0.34	-2.83
3	12.500	-0.750	-2.208	0.925	974.4	1444.6	498.0	80.7	1.089	1.145	0.999	-0.292	1.144	-0.022	-0.040	-2.00	-1.08
4	13.833	-0.750	-2.208	0.926	974.7	1443.8	498.3	80.7	1.011	1.077	1.000	-0.156	1.077	-0.015	-0.025	-1.35	-0.79
5	15.166	-0.750	-2.208	0.925	973.8	1445.0	497.8	80.7	1.016	1.083	0.999	-0.167	1.083	-0.008	-0.011	-0.57	-0.43
6	16.499	-0.750	-2.208	0.927	975.8	1445.2	499.0	80.7	1.048	1.108	0.999	-0.219	1.108	0.003	0.025	1.28	0.14
7	17.832	-0.750	-2.208	0.926	975.1	1444.9	498.5	80.7	1.094	1.148	0.999	-0.239	1.147	0.054	0.023	1.13	2.72
8	19.165	-0.750	-2.208	0.928	977.1	1444.0	499.4	80.7	0.894	0.968	0.999	0.063	0.967	0.033	0.015	0.91	1.93
10	20.498	-0.750	-2.208	0.926	975.2	1444.6	498.5	80.7	0.924	0.998	0.999	0.002	0.998	0.013	0.010	0.60	0.75

DATE 9-MAR-78 PROJECT NO P41C-NOC

APO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-332 793 3.001 2.00 25 1301 1.99

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4TDATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
8	9.834	0.750	-2.208	0.926	976.1	1451.0	500.4	82.3	0.916	0.991	1.000	0.017	0.991	0.006	0.019	1.09	0.36
9	10.167	0.750	-2.208	0.924	974.9	1449.7	499.2	82.3	0.900	0.977	1.001	0.047	0.977	0.007	0.016	0.96	0.42
10	10.500	0.750	-2.208	0.925	975.6	1449.8	499.6	82.4	0.886	0.963	1.000	0.073	0.963	0.009	0.014	0.83	0.56
11	10.833	0.750	-2.208	0.926	976.3	1450.3	500.2	82.4	0.862	0.941	1.000	0.118	0.940	0.020	0.010	0.61	1.19
12	11.166	0.750	-2.208	0.926	976.4	1450.9	500.5	82.4	0.835	0.915	1.001	0.171	0.913	0.039	0.007	0.43	3.05
13	11.499	0.750	-2.208	0.928	978.1	1452.3	501.9	82.4	0.831	0.909	0.999	0.180	0.905	0.085	0.006	0.35	5.37
14	11.832	0.750	-2.208	0.927	977.8	1450.4	501.0	82.6	0.866	0.943	1.000	0.114	0.937	0.104	0.004	0.23	6.34
15	12.165	0.750	-2.208	0.925	976.2	1451.5	500.4	82.7	1.002	1.069	1.000	-0.138	1.067	0.067	-0.002	-0.12	3.58
16	12.498	0.750	-2.208	0.923	973.7	1451.3	498.8	82.7	1.043	1.109	1.001	-0.217	1.108	0.024	-0.017	-0.67	1.25
17	12.831	0.750	-2.208	0.924	975.1	1451.5	499.7	82.6	0.926	1.002	1.000	-0.002	1.001	0.031	-0.027	-1.53	1.79
18	13.164	0.750	-2.208	0.924	975.2	1451.3	499.7	82.7	0.932	1.008	1.001	-0.014	1.007	0.029	-0.024	-1.39	1.66
19	13.497	0.750	-2.208	0.926	976.4	1451.2	500.4	82.7	0.953	1.025	1.000	-0.051	1.025	0.022	-0.018	-0.99	1.25
20	13.830	0.750	-2.208	0.927	977.6	1452.3	501.5	82.6	0.971	1.040	1.000	-0.080	1.040	0.016	-0.012	-0.64	0.88
21	14.163	0.750	-2.208	0.928	978.1	1450.6	501.2	82.6	0.973	1.041	1.000	-0.082	1.041	0.012	-0.007	-0.37	0.69
22	14.496	0.750	-2.208	0.930	979.9	1452.0	502.7	82.7	0.972	1.039	1.000	-0.078	1.039	0.010	-0.004	-0.24	0.56
23	14.829	0.750	-2.208	0.923	976.1	1450.5	498.9	82.6	0.967	1.040	1.000	-0.079	1.040	0.011	-0.001	-0.66	0.59
24	15.162	0.750	-2.208	0.925	975.6	1450.9	499.8	82.7	0.979	1.050	1.000	-0.099	1.050	0.009	0.002	0.12	0.48
25	15.495	0.750	-2.208	0.927	976.9	1451.0	501.0	82.0	1.018	1.082	1.000	-0.163	1.082	0.004	0.009	0.47	0.20
26	15.828	0.750	-2.208	0.928	977.9	1449.8	501.3	81.7	1.039	1.099	1.000	-0.199	1.099	-0.002	0.020	1.04	-0.10
27	16.161	0.750	-2.208	0.928	977.5	1448.5	500.6	81.7	1.046	1.106	1.000	-0.212	1.105	-0.007	0.030	1.55	-0.35
28	16.494	0.750	-2.208	0.926	976.1	1449.1	500.1	81.6	1.020	1.084	1.000	-0.169	1.083	-0.004	0.033	1.74	-0.23
29	16.827	0.750	-2.208	0.928	977.1	1448.0	500.3	81.5	1.000	1.065	1.000	-0.131	1.065	0.001	0.033	1.79	0.05
30	17.160	0.750	-2.208	0.928	977.3	1449.3	500.9	81.4	0.998	1.064	1.000	-0.128	1.063	0.003	0.033	1.75	0.18
31	17.493	0.750	-2.208	0.928	976.9	1448.6	500.5	81.4	1.045	1.105	0.999	-0.212	1.105	-0.012	0.033	1.73	-0.63
32	17.826	0.750	-2.208	0.926	975.4	1446.5	499.0	81.1	1.087	1.143	1.001	-0.265	1.141	-0.051	0.036	1.80	-2.58
33	18.159	0.750	-2.208	0.928	976.8	1447.7	500.3	81.0	1.068	1.125	0.999	-0.252	1.122	-0.067	0.033	1.69	-3.44
34	18.492	0.750	-2.208	0.928	976.5	1446.0	499.6	80.9	0.978	1.046	1.000	-0.091	1.043	-0.064	0.030	1.66	-3.79
35	18.825	0.750	-2.208	0.928	976.7	1446.2	499.8	80.9	0.907	0.981	1.000	0.038	0.980	-0.046	0.023	1.63	-2.71
36	19.158	0.750	-2.208	0.927	976.2	1445.7	499.4	80.8	0.889	0.965	1.000	0.071	0.964	-0.031	0.026	1.57	-1.83
37	19.491	0.750	-2.208	0.928	976.4	1445.3	499.4	80.8	0.892	0.967	1.000	0.066	0.966	-0.020	0.025	1.51	-1.21

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIG 25

SURVEY ALFAS

1302 2.00

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4TDATE
2-22-78

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VMI/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
1	9.834	0.000	-3.708	0.926	975.3	1444.2	498.4	80.7	0.920	0.994	1.000	0.012	0.994	-0.003	0.023	1.31	-0.16
2	10.167	0.000	-3.706	0.927	975.8	1445.4	499.1	80.7	0.912	0.986	1.000	0.027	0.986	-0.003	0.020	1.17	-0.19
3	10.500	0.000	-3.708	0.927	975.4	1443.8	498.4	80.6	0.904	0.979	1.000	0.042	0.979	-0.003	0.016	0.91	-0.15
4	10.833	0.000	-3.708	0.928	976.6	1444.1	499.2	80.6	0.895	0.969	1.000	0.062	0.969	-0.003	0.008	0.46	-0.15
5	11.166	0.000	-3.708	0.929	977.2	1445.2	499.9	80.6	0.887	0.961	0.999	0.076	0.961	-0.002	-0.004	-0.22	-0.15
6	11.499	0.000	-3.708	0.923	971.7	1443.3	496.1	80.5	0.885	0.965	1.001	0.072	0.965	-0.003	-0.016	-0.33	-0.15
7	11.832	0.000	-3.708	0.924	972.6	1444.9	497.1	80.6	0.898	0.976	1.000	0.043	0.976	-0.003	-0.021	-1.26	-0.18
8	12.165	0.000	-3.708	0.925	973.9	1445.7	498.2	80.5	0.934	1.008	0.999	-0.017	1.008	-0.003	-0.015	-0.84	-0.15
9	12.498	0.000	-3.708	0.925	973.7	1444.0	497.5	80.5	0.971	1.042	1.000	-0.084	1.042	-0.003	-0.002	-0.09	-0.15
10	12.831	0.000	-3.708	0.926	974.3	1444.4	498.0	80.5	0.962	1.033	1.000	-0.067	1.033	-0.002	0.002	0.14	-0.14
11	13.164	0.000	-3.708	0.927	975.3	1443.8	498.3	80.6	0.951	1.023	1.000	-0.045	1.023	-0.003	0.003	0.18	-0.16
12	13.497	0.000	-3.708	0.928	976.2	1444.6	499.2	80.5	0.956	1.026	1.000	-0.052	1.026	-0.003	0.005	0.39	-0.17
13	13.830	0.000	-3.708	0.929	977.2	1444.1	499.6	80.5	0.962	1.030	1.000	-0.060	1.030	-0.003	0.007	0.37	-0.17
14	14.163	0.000	-3.708	0.926	974.8	1445.7	498.8	80.4	0.963	1.034	0.999	-0.069	1.034	-0.003	0.009	0.48	-0.17
15	14.496	0.000	-3.708	0.926	975.0	1444.0	498.3	80.4	0.968	1.038	1.000	-0.076	1.038	-0.003	0.010	0.56	-0.18
16	14.829	0.000	-3.708	0.928	976.4	1444.5	499.3	80.4	0.973	1.041	1.000	-0.082	1.040	-0.003	0.012	0.84	-0.18
17	15.162	0.000	-3.708	0.930	978.1	1444.8	500.4	80.4	0.982	1.047	1.000	-0.095	1.047	-0.003	0.013	0.74	-0.18
18	15.495	0.000	-3.708	0.924	973.0	1442.9	496.8	80.3	0.985	1.055	1.001	-0.109	1.055	-0.003	0.018	0.96	-0.16
19	15.828	0.000	-3.708	0.926	974.7	1443.1	497.8	80.4	1.001	1.067	1.000	-0.135	1.067	-0.003	0.022	1.16	-0.17
20	16.161	0.000	-3.708	0.928	976.2	1443.9	498.9	80.4	1.010	1.074	1.000	-0.148	1.074	-0.003	0.025	1.34	-0.18
21	16.494	0.000	-3.708	0.927	975.1	1444.5	498.6	80.3	1.003	1.069	1.000	-0.139	1.069	-0.003	0.028	1.50	-0.18
22	16.827	0.000	-3.708	0.927	975.8	1444.7	499.1	80.3	0.992	1.059	1.000	-0.118	1.058	-0.004	0.029	1.58	-0.22
23	17.160	0.000	-3.708	0.929	977.4	1444.5	499.9	80.3	0.987	1.052	1.000	-0.106	1.052	-0.004	0.030	1.64	-0.23
24	17.493	0.000	-3.708	0.927	975.3	1443.5	498.4	80.3	0.989	1.056	1.000	-0.112	1.056	-0.004	0.034	1.86	-0.21
25	17.826	0.000	-3.708	0.929	976.9	1443.2	499.3	80.2	0.997	1.062	0.999	-0.125	1.061	-0.004	0.042	2.25	-0.22
26	18.159	0.000	-3.708	0.928	976.4	1444.4	499.4	80.2	0.990	1.056	1.000	-0.113	1.055	-0.004	0.048	2.60	-0.22
27	18.492	0.000	-3.708	0.927	975.7	1444.4	498.9	80.4	0.959	1.029	1.000	-0.059	1.028	-0.004	0.049	2.73	-0.22
28	18.825	0.000	-3.708	0.924	976.1	1443.8	498.9	80.3	0.930	1.002	1.000	-0.004	1.001	-0.004	0.045	2.57	-0.22
29	19.158	0.000	-3.708	0.928	976.4	1445.0	499.5	80.4	0.916	0.989	0.999	0.021	0.988	-0.004	0.038	2.22	-0.22
30	19.491	0.000	-3.708	0.929	977.3	1444.3	499.8	80.3	0.912	0.984	0.999	0.031	0.983	-0.004	0.033	1.94	-0.23

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SPERDUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIC SURVEY ALFAS

TC-532 795 2.997 2.00 25 1303 1.98

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PT/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
10	9.834	0.000	-2.958	0.924	974.4	1433.2	496.6	80.2	0.915	0.992	1.000	0.017	0.991	-0.005	0.021	1.20	-0.26
11	10.167	0.000	-2.958	0.924	972.8	1433.2	496.9	80.1	0.904	0.981	1.000	0.037	0.981	-0.005	0.018	1.06	-0.27
12	10.500	0.000	-2.958	0.925	973.1	1433.9	497.3	80.2	0.891	0.969	1.000	0.061	0.969	-0.005	0.013	0.77	-0.28
13	10.833	0.000	-2.958	0.925	973.6	1432.2	497.3	80.2	0.870	0.948	0.999	0.102	0.948	-0.004	0.000	0.02	-0.27
14	11.166	0.000	-2.958	0.925	973.9	1432.8	497.3	80.2	0.839	0.919	1.000	0.161	0.918	-0.004	0.033	-2.05	-0.25
15	11.499	0.000	-2.958	0.927	974.8	1433.3	498.1	80.1	0.833	0.912	1.000	0.174	0.909	-0.005	-0.075	-4.74	-0.35
16	11.832	0.000	-2.958	0.927	975.5	1433.4	498.4	80.3	0.869	0.946	1.000	0.108	0.941	-0.006	-0.096	-5.82	-0.35
17	12.165	0.000	-2.958	0.928	976.1	1433.3	498.9	80.1	1.031	1.093	0.999	-0.187	1.091	-0.006	-0.060	-3.14	-0.33
18	12.498	0.000	-2.958	0.929	976.8	1433.4	499.3	80.1	1.075	1.130	1.000	-0.260	1.129	-0.007	-0.013	-0.64	-0.34
19	12.831	0.000	-2.958	0.930	977.6	1433.2	499.7	80.1	0.949	1.018	0.999	-0.036	1.018	-0.005	-0.014	-0.81	-0.29
20	13.164	0.000	-2.958	0.924	977.7	1433.7	497.0	80.2	0.934	1.009	1.000	-0.019	1.009	-0.005	-0.012	-0.71	-0.30
21	13.497	0.000	-2.958	0.925	973.1	1432.7	496.9	80.2	0.944	1.018	1.000	-0.036	1.018	-0.006	-0.009	-0.52	-0.34
22	13.830	0.000	-2.958	0.926	974.0	1432.5	497.3	80.2	0.958	1.030	1.000	-0.060	1.030	-0.006	-0.005	-0.25	-0.32
23	14.163	0.000	-2.958	0.927	975.3	1433.0	498.3	80.1	0.961	1.031	1.000	-0.063	1.031	-0.005	-0.003	-0.15	-0.30
24	14.496	0.000	-2.958	0.928	976.5	1432.9	499.0	80.1	0.972	1.041	1.000	-0.081	1.040	-0.006	0.002	0.09	-0.32
25	14.829	0.000	-2.958	0.926	974.2	1433.4	497.8	80.1	0.970	1.041	1.000	-0.082	1.041	-0.005	0.001	0.06	-0.29
26	15.162	0.000	-2.958	0.926	974.2	1433.4	497.8	80.1	0.979	1.049	0.999	-0.099	1.049	-0.005	0.004	0.24	-0.29
27	15.495	0.000	-2.958	0.926	974.8	1431.8	497.6	80.1	0.958	1.064	1.000	-0.129	1.064	-0.005	0.009	0.49	-0.26
28	15.828	0.000	-2.958	0.928	976.4	1433.7	499.1	80.1	1.025	1.087	0.999	-0.176	1.087	-0.005	0.014	0.73	-0.28
29	16.161	0.000	-2.958	0.925	973.5	1433.5	497.4	80.1	1.019	1.085	0.999	-0.171	1.085	-0.005	0.018	0.95	-0.26
30	16.494	0.000	-2.958	0.926	974.7	1432.6	497.8	80.1	1.011	1.077	1.000	-0.153	1.076	-0.005	0.020	1.07	-0.27
31	16.827	0.000	-2.958	0.929	976.6	1432.4	498.9	80.0	0.999	1.064	1.000	-0.128	1.064	-0.005	0.021	1.12	-0.26
32	17.160	0.000	-2.958	0.927	975.0	1433.0	499.1	80.1	0.984	1.052	1.000	-0.106	1.052	-0.004	0.021	1.15	-0.24
33	17.493	0.000	-2.958	0.929	976.9	1433.3	499.3	80.1	1.045	1.104	0.999	-0.209	1.103	-0.005	0.040	2.05	-0.25
34	17.826	0.000	-2.958	0.927	975.4	1434.0	498.7	80.1	1.096	1.149	0.999	-0.301	1.146	-0.005	0.082	4.09	-0.26
35	18.159	0.000	-2.958	0.929	977.1	1433.2	499.4	80.1	1.090	1.142	0.999	-0.286	1.138	-0.006	0.097	4.86	-0.28
36	18.492	0.000	-2.958	0.928	976.1	1433.6	499.0	80.1	1.022	1.084	0.999	-0.170	1.080	-0.005	0.091	4.81	-0.28
37	18.825	0.000	-2.958	0.929	976.6	1432.9	499.0	80.1	0.918	0.990	1.000	0.019	0.988	-0.004	0.069	4.01	-0.25
39	19.158	0.000	-2.958	0.928	976.3	1434.2	499.3	80.1	0.996	0.970	0.999	0.058	0.969	-0.005	0.050	2.96	-0.27
40	19.491	0.000	-2.958	0.929	976.6	1433.5	499.2	80.1	0.897	0.971	0.999	0.057	0.970	-0.004	0.042	2.46	-0.24

DATE 9-MAR-78 PROJECT NO P41C-N0C

AGJ, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 796 3.032 2.00 25 1304 1.99

DATE 2-22-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	SL/VM	APL	SXL
4	9.834	-0.750	-2.208	0.926	974.1	1443.6	497.9	80.0	0.915	0.990	1.000	0.020	0.990	-0.014	0.021	1.23	-0.82
5	11.167	-0.750	-2.208	0.925	973.7	1442.7	497.3	80.1	0.834	0.914	1.000	0.171	0.912	-0.056	0.010	0.66	-3.53
6	12.500	-0.750	-2.208	0.928	976.0	1443.3	498.9	80.0	1.046	1.105	1.000	-0.212	1.105	-0.031	-0.015	-0.76	-1.61
8	13.833	-0.750	-2.208	0.925	973.6	1442.6	497.1	80.1	0.971	1.042	1.000	-0.084	1.042	-0.021	-0.006	-0.35	-1.14
9	15.166	-0.750	-2.208	0.928	975.9	1442.9	498.6	80.1	0.984	1.051	0.999	-0.103	1.051	-0.014	0.003	0.17	-0.74
12	16.499	-0.750	-2.208	0.927	974.9	1443.5	498.2	80.1	1.026	1.089	1.000	-0.179	1.089	-0.002	0.036	1.58	-0.11
14	17.832	-0.750	-2.208	0.928	976.5	1443.6	499.2	80.1	1.098	1.150	0.999	-0.301	1.148	0.035	0.034	1.70	2.77
16	19.165	-0.750	-2.208	0.926	974.6	1442.8	497.8	80.0	0.890	0.966	1.000	0.067	0.965	0.028	0.026	1.55	1.55
18	20.498	-0.750	-2.208	0.927	974.9	1443.6	498.3	80.0	0.926	1.000	1.000	0.000	1.000	0.009	0.022	1.24	0.52

DATE 9-MAR-78 PROJECT NO P41C-WOC

ARD, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFA

TC-532 799 2.999 5.00 25 1301 5.01

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SWL
6	9.834	0.750	-2.208	0.926	973.9	1442.7	497.4	80.1	0.896	0.973	1.000	0.054	0.971	0.017	0.057	3.34	1.02
7	10.167	0.750	-2.208	0.924	972.9	1443.5	497.0	80.2	0.879	0.958	1.000	0.084	0.956	0.019	0.054	3.25	1.14
8	10.500	0.750	-2.208	0.925	973.5	1443.0	497.2	80.2	0.860	0.939	1.000	0.122	0.937	0.022	0.049	3.00	1.37
9	10.833	0.750	-2.208	0.926	974.2	1443.4	497.8	80.1	0.837	0.917	0.999	0.164	0.915	0.033	0.044	2.73	2.06
10	11.166	0.750	-2.208	0.926	974.1	1442.5	497.4	80.1	0.814	0.894	1.000	0.210	0.891	0.061	0.039	2.49	3.94
11	11.499	0.750	-2.208	0.927	974.9	1443.2	498.1	80.1	0.816	0.896	1.000	0.206	0.890	0.093	0.036	2.32	5.94
12	11.832	0.750	-2.208	0.928	975.8	1443.4	498.7	80.1	0.854	0.931	1.000	0.137	0.925	0.104	0.033	2.06	8.40
13	12.165	0.750	-2.208	0.928	976.2	1443.4	498.9	80.1	0.939	1.010	1.000	-0.020	1.008	0.064	0.027	1.51	3.61
14	12.498	0.750	-2.208	0.929	976.7	1443.3	499.2	80.1	0.941	1.012	1.000	-0.023	1.011	0.032	0.014	0.81	1.84
15	12.831	0.750	-2.208	0.925	973.6	1443.0	497.3	80.1	0.895	0.972	1.000	0.057	0.971	0.035	0.004	0.74	2.09
16	13.164	0.750	-2.208	0.925	973.2	1443.5	497.2	80.1	0.899	0.976	1.000	0.047	0.975	0.033	0.006	0.37	1.94
17	13.497	0.750	-2.208	0.925	973.5	1443.0	497.1	80.3	0.912	0.988	1.001	0.024	0.988	0.027	0.010	0.60	1.56
18	13.830	0.750	-2.208	0.927	974.9	1443.8	498.1	80.2	0.919	0.993	0.999	0.012	0.993	0.021	0.015	0.87	1.22
19	14.163	0.750	-2.208	0.927	975.4	1442.7	498.2	80.1	0.924	0.997	1.000	0.006	0.997	0.017	0.018	1.04	0.99
20	14.496	0.750	-2.208	0.929	976.6	1442.8	499.0	80.1	0.927	0.998	1.000	0.003	0.998	0.015	0.020	1.14	0.88
21	14.829	0.750	-2.208	0.926	974.1	1443.4	497.7	80.1	0.930	1.004	1.000	-0.008	1.004	0.015	0.021	1.22	0.84
22	15.162	0.750	-2.208	0.926	974.6	1442.9	497.8	80.2	0.938	1.011	1.000	-0.023	1.011	0.013	0.025	1.50	0.74
23	15.495	0.750	-2.208	0.928	976.1	1443.6	498.9	80.2	0.962	1.031	1.000	-0.063	1.031	0.008	0.031	1.72	0.45
24	15.828	0.750	-2.208	0.929	976.9	1442.7	499.1	80.1	0.984	1.050	1.000	-0.099	1.049	0.003	0.040	2.17	0.14
25	16.161	0.750	-2.208	0.925	973.5	1443.4	497.3	80.2	0.981	1.051	1.000	-0.102	1.050	-0.001	0.048	2.59	-0.05
26	16.494	0.750	-2.208	0.926	974.8	1442.6	497.8	80.3	0.963	1.033	1.000	-0.067	1.032	0.002	0.048	2.68	0.10
27	16.827	0.750	-2.208	0.929	977.1	1444.5	499.8	80.2	0.959	1.027	0.999	-0.056	1.026	0.007	0.049	2.75	0.38
28	17.160	0.750	-2.208	0.926	974.7	1442.9	497.9	80.1	0.957	1.028	1.000	-0.057	1.027	0.009	0.049	2.75	0.47
29	17.493	0.750	-2.208	0.928	976.4	1443.6	499.1	80.1	1.049	1.108	0.999	-0.218	1.107	-0.015	0.050	2.56	-0.75
30	17.826	0.750	-2.208	0.928	975.8	1444.2	499.0	80.1	1.085	1.139	0.999	-0.280	1.137	-0.052	0.054	2.71	-2.63
31	18.159	0.750	-2.208	0.928	976.3	1443.5	499.1	80.0	1.059	1.116	0.999	-0.234	1.113	-0.067	0.052	2.66	-3.53
32	18.492	0.750	-2.208	0.928	975.9	1442.0	498.3	80.0	0.952	1.022	1.000	-0.045	1.019	-0.061	0.049	2.75	-3.40
33	18.825	0.750	-2.208	0.928	976.1	1443.7	499.0	80.1	0.896	0.971	1.000	0.058	0.969	-0.041	0.045	2.65	-2.40
34	19.158	0.750	-2.208	0.929	977.0	1443.6	499.4	80.2	0.883	0.957	0.999	0.084	0.956	-0.024	0.043	2.60	-1.44
35	19.491	0.750	-2.208	0.927	975.5	1443.1	498.4	80.2	0.886	0.962	1.000	0.075	0.961	-0.015	0.042	2.46	-0.87

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APOLLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG 25

TC-532 504 2.997 5.00 SURVEY ALFAS 1302 5.01

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SWL
1	9.834	0.000	-3.708	0.924	973.5	1444.7	497.5	80.8	0.902	0.979	0.999	0.039	0.977	-0.003	0.065	3.79	-0.18
2	10.167	0.000	-3.708	0.924	973.3	1443.4	497.0	80.6	0.893	0.971	0.999	0.036	0.969	-0.004	0.061	3.63	-0.21
3	10.500	0.000	-3.708	0.925	972.8	1444.4	497.5	79.7	0.883	0.961	0.999	0.035	0.960	-0.003	0.057	3.37	-0.21
4	10.833	0.000	-3.708	0.925	972.4	1440.8	496.2	79.4	0.872	0.951	0.999	0.036	0.950	-0.003	0.047	2.85	-0.21
5	11.166	0.000	-3.708	0.925	972.9	1441.7	496.9	79.3	0.865	0.943	0.999	0.111	0.943	-0.004	0.036	2.18	-0.23
6	11.499	0.000	-3.708	0.925	973.0	1440.1	496.4	79.3	0.865	0.943	0.999	0.111	0.943	-0.004	0.036	2.18	-0.23
7	11.822	0.000	-3.708	0.926	973.4	1439.9	496.6	79.2	0.878	0.955	0.999	0.111	0.943	-0.004	0.036	1.48	-0.23
8	12.165	0.000	-3.708	0.926	973.2	1437.5	495.6	79.2	0.900	0.976	1.000	0.039	0.976	-0.004	0.023	1.10	-0.21
9	12.498	0.000	-3.708	0.928	975.7	1429.0	494.2	79.2	0.917	0.989	0.998	0.018	0.989	-0.004	0.031	1.81	-0.23
10	12.831	0.000	-3.708	0.928	975.2	1431.5	494.8	79.2	0.917	0.990	1.000	0.019	0.990	-0.004	0.034	1.95	-0.24
11	13.164	0.000	-3.708	0.924	971.6	1433.6	493.4	79.2	0.911	0.988	1.000	0.023	0.988	-0.006	0.033	1.95	-0.23
12	13.497	0.000	-3.708	0.925	972.3	1435.5	494.4	79.2	0.912	0.989	0.999	0.021	0.988	-0.006	0.034	1.95	-0.23
13	13.830	0.000	-3.708	0.926	973.3	1437.2	495.6	79.2	0.917	0.992	0.999	0.008	0.991	-0.004	0.035	2.02	-0.22
14	14.163	0.000	-3.708	0.927	974.4	1437.9	496.5	79.2	0.922	0.995	0.999	0.008	0.995	-0.004	0.035	2.02	-0.22
15	14.496	0.000	-3.708	0.928	975.6	1438.1	497.2	79.3	0.927	0.999	0.999	0.002	0.998	-0.004	0.036	2.08	-0.20
16	14.829	0.000	-3.708	0.925	972.8	1440.5	496.3	79.4	0.930	1.004	0.999	-0.011	1.004	-0.004	0.038	2.14	-0.20
17	15.162	0.000	-3.708	0.926	973.5	1440.0	496.6	79.4	0.934	1.008	0.999	-0.017	1.007	-0.003	0.039	2.24	-0.20
18	15.495	0.000	-3.708	0.926	974.0	1438.6	496.4	79.3	0.942	1.014	1.000	-0.028	1.013	-0.004	0.041	2.32	-0.20
19	15.828	0.000	-3.708	0.929	976.2	1439.5	498.0	79.3	0.953	1.022	1.000	-0.044	1.021	-0.004	0.043	2.41	-0.22
20	16.161	0.000	-3.708	0.926	973.3	1440.9	496.8	79.4	0.951	1.024	0.998	-0.050	1.022	-0.004	0.046	2.58	-0.21
21	16.494	0.000	-3.708	0.927	974.7	1440.8	497.6	79.4	0.953	1.024	0.999	-0.050	1.023	-0.003	0.046	2.66	-0.20
22	16.827	0.000	-3.708	0.928	975.8	1439.8	497.9	79.3	0.957	1.026	0.999	-0.053	1.025	-0.004	0.049	2.71	-0.22
23	17.160	0.000	-3.708	0.926	973.4	1439.8	496.4	79.4	0.952	1.024	1.000	-0.049	1.023	-0.003	0.050	2.79	-0.19
24	17.493	0.000	-3.708	0.929	976.2	1441.3	498.6	79.4	0.964	1.032	0.998	-0.066	1.031	-0.003	0.054	2.98	-0.16
25	17.826	0.000	-3.708	0.927	974.2	1440.7	497.2	79.4	0.973	1.043	0.999	-0.087	1.041	-0.003	0.061	3.37	-0.19
26	18.159	0.000	-3.708	0.929	976.0	1440.2	498.1	79.4	0.972	1.039	0.999	-0.080	1.037	-0.004	0.068	3.73	-0.20
28	18.492	0.000	-3.708	0.928	975.1	1441.0	497.9	79.4	0.944	1.015	0.999	-0.032	1.013	-0.003	0.069	3.90	-0.18
29	18.825	0.000	-3.708	0.928	975.6	1441.7	498.4	79.4	0.922	0.995	0.998	0.008	0.992	-0.003	0.064	3.67	-0.17
30	19.158	0.000	-3.708	0.930	977.3	1441.8	499.3	79.5	0.911	0.982	0.999	0.033	0.991	-0.003	0.053	3.37	-0.17
31	19.491	0.000	-3.708	0.928	975.7	1440.3	497.9	79.5	0.906	0.979	0.999	0.040	0.978	-0.003	0.053	3.05	-0.17

DATE 9-MAR-74 PROJECT NO P41C-N0C

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APOLLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 805 2.999 5.00 1303 5.00

DATE 2-22-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	APL	SPL
14	9.834	0.000	-2.958	0.924	972.4	1443.5	496.8	80.1	0.883	0.973	0.999	0.052	0.971	-0.003	0.059	3.49	-0.20
15	10.167	0.000	-2.958	0.924	972.9	1443.5	497.0	80.1	0.883	0.973	0.999	0.052	0.960	-0.004	0.055	3.30	-0.22
16	10.500	0.000	-2.958	0.925	973.0	1443.4	497.1	80.1	0.887	0.946	0.999	0.105	0.945	-0.004	0.049	2.96	-0.23
17	10.833	0.000	-2.958	0.925	973.1	1443.1	497.1	80.1	0.846	0.926	0.999	0.146	0.925	-0.004	0.035	2.15	-0.22
18	11.166	0.000	-2.958	0.925	973.8	1443.1	497.3	80.3	0.817	0.887	0.999	0.202	0.897	-0.003	0.002	-0.16	-0.21
19	11.499	0.000	-2.958	0.926	974.4	1443.9	498.0	80.2	0.810	0.880	0.999	0.214	0.889	-0.003	-0.046	-2.97	-0.19
20	11.832	0.000	-2.958	0.926	974.7	1443.1	498.0	80.1	0.844	0.922	0.999	0.152	0.920	-0.003	-0.067	-4.15	-0.14
21	12.165	0.000	-2.958	0.927	975.1	1443.1	498.2	80.2	0.943	1.015	0.999	-0.030	1.014	-0.004	-0.027	-1.54	-0.20
22	12.498	0.000	-2.958	0.927	975.6	1442.8	498.4	80.1	0.959	1.038	0.999	-0.077	1.038	-0.004	0.006	0.35	-0.24
23	12.831	0.000	-2.958	0.929	976.9	1443.5	499.7	80.2	0.907	0.980	0.999	0.038	0.980	-0.004	0.005	0.27	-0.25
24	13.164	0.000	-2.958	0.925	973.9	1442.7	497.3	80.2	0.901	0.978	0.999	0.043	0.978	-0.004	0.006	0.34	-0.25
25	13.497	0.000	-2.958	0.926	974.3	1443.8	497.9	80.3	0.903	0.979	0.999	0.039	0.979	-0.005	0.008	0.49	-0.27
26	13.830	0.000	-2.958	0.926	974.1	1442.0	497.2	80.2	0.913	0.986	1.000	0.027	0.986	-0.005	0.012	0.70	-0.28
27	14.163	0.000	-2.958	0.927	975.4	1442.9	498.2	80.2	0.913	0.987	0.999	0.024	0.987	-0.005	0.012	0.72	-0.27
28	14.496	0.000	-2.958	0.927	975.6	1443.9	498.8	80.2	0.922	0.995	0.998	0.008	0.995	-0.005	0.015	0.92	-0.26
29	14.829	0.000	-2.958	0.925	973.5	1443.1	497.2	80.3	0.919	0.995	0.999	0.009	0.995	-0.004	0.015	0.86	-0.23
30	15.162	0.000	-2.958	0.927	974.9	1443.5	498.2	80.2	0.930	1.004	0.999	-0.009	1.003	-0.004	0.018	1.03	-0.23
31	15.495	0.000	-2.958	0.928	976.1	1443.3	498.7	80.3	0.942	1.013	0.999	-0.027	1.013	-0.004	0.021	1.19	-0.22
32	15.828	0.000	-2.958	0.928	977.5	1443.2	499.5	80.3	0.951	1.030	0.999	-0.041	1.030	-0.004	0.024	1.35	-0.21
33	16.161	0.000	-2.958	0.926	974.6	1443.0	497.7	80.4	0.934	1.026	0.999	-0.032	1.025	-0.004	0.027	1.51	-0.21
34	16.494	0.000	-2.958	0.927	975.6	1443.9	498.6	80.4	0.950	1.021	1.000	-0.042	1.020	-0.003	0.028	1.60	-0.20
35	16.827	0.000	-2.958	0.929	977.3	1444.2	499.7	80.4	0.948	1.018	0.999	-0.037	1.017	-0.003	0.029	1.66	-0.19
36	17.160	0.000	-2.958	0.926	974.8	1444.3	498.3	80.4	0.943	1.015	0.999	-0.032	1.015	-0.003	0.030	1.71	-0.18
37	17.493	0.000	-2.958	0.928	976.6	1443.9	499.2	80.4	1.041	1.101	0.999	-0.203	1.042	-0.003	0.056	2.91	-0.18
38	17.826	0.000	-2.958	0.928	976.7	1444.4	499.4	80.4	1.090	1.143	0.999	-0.288	1.138	-0.004	0.098	4.91	-0.21
39	18.159	0.000	-2.958	0.929	977.3	1444.7	499.9	80.4	1.079	1.133	0.998	-0.270	1.128	-0.004	0.111	5.63	-0.20
40	18.492	0.000	-2.958	0.927	975.9	1443.5	499.7	80.4	0.982	1.050	0.999	-0.102	1.045	-0.004	0.102	5.59	-0.22
41	18.825	0.000	-2.958	0.928	976.5	1444.1	499.2	80.5	0.905	0.979	0.999	0.070	0.976	-0.003	0.079	4.84	-0.20
42	19.158	0.000	-2.958	0.927	975.2	1444.3	498.5	80.4	0.888	0.964	0.999	0.070	0.962	-0.003	0.062	3.67	-0.20
43	19.491	0.000	-2.958	0.928	976.7	1445.0	499.5	80.4	0.894	0.968	0.999	0.081	0.967	-0.003	0.052	3.06	-0.17

DATE 9-MAR-78 PROJECT NO P41C-NOC

AGO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARCLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFA

TC-532 806 3.003 5.00 25 1304 5.01

DATE 2-22-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VWL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ML	SWL
1	9.834	-0.750	-2.208	0.929	977.3	1444.1	499.6	80.5	0.895	0.968	0.999	0.062	0.966	-0.026	0.059	3.50	-1.52
2	11.167	-0.750	-2.208	0.928	976.6	1444.3	499.3	80.5	0.811	0.889	0.999	0.216	0.886	-0.071	0.042	2.71	-1.56
3	12.500	-0.750	-2.208	0.926	975.0	1444.8	498.5	80.5	0.931	1.004	0.999	-0.010	1.003	-0.039	0.016	0.94	-2.23
4	13.833	-0.750	-2.208	0.929	977.1	1444.7	499.7	80.5	0.919	0.991	0.999	0.016	0.990	-0.027	0.019	1.09	-1.54
5	15.166	-0.750	-2.208	0.928	976.4	1444.2	499.2	80.4	0.937	1.008	0.999	-0.018	1.008	-0.019	0.026	1.50	-1.06
6	16.499	-0.750	-2.208	0.926	974.6	1444.9	498.3	80.6	0.962	1.034	0.999	-0.069	1.032	-0.008	0.020	2.79	-2.42
7	17.832	-0.750	-2.208	0.927	975.5	1444.7	498.7	80.6	1.083	1.138	0.999	-0.279	1.136	0.048	0.051	2.55	2.43
11	19.165	-0.750	-2.208	0.928	976.6	1444.4	499.2	80.7	0.884	0.959	0.999	0.080	0.958	0.019	0.042	2.50	1.16
14	20.498	-0.750	-2.208	0.927	975.8	1443.7	498.6	80.6	0.919	0.992	0.999	0.014	0.992	0.003	0.036	2.09	0.16

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-332 #12 3.001 0.00 25 1301 0.01

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSMIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VM/VN	PT/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
6	9.834	0.750	-2.208	0.954	1002.4	1438.6	510.7	83.0	0.940	0.987	0.999	0.024	0.987	-0.002	-0.006	-0.38	-0.12
7	10.167	0.750	-2.208	0.949	997.1	1440.6	508.4	83.0	0.924	0.978	0.999	0.042	0.978	-0.001	-0.008	-0.49	-0.09
8	10.500	0.750	-2.208	0.950	998.4	1440.0	508.9	83.0	0.910	0.964	0.999	0.071	0.964	0.001	-0.011	-0.63	0.05
15	10.833	0.750	-2.208	0.948	996.6	1437.3	506.9	83.0	0.885	0.943	0.999	0.113	0.943	0.011	-0.013	-0.80	0.64
15	11.166	0.750	-2.208	0.951	999.4	1439.9	509.4	83.0	0.857	0.914	0.998	0.168	0.913	0.037	-0.015	-0.97	2.35
17	11.499	0.750	-2.208	0.951	999.1	1438.9	508.9	83.0	0.845	0.904	0.999	0.189	0.900	0.079	-0.017	-1.07	5.03
18	11.832	0.750	-2.208	0.951	999.2	1438.6	508.9	83.0	0.876	0.933	0.999	0.173	0.927	0.100	-0.019	-1.16	6.15
19	12.165	0.750	-2.208	0.952	999.9	1439.5	509.6	83.0	1.051	1.086	0.999	-0.173	1.083	0.067	-0.025	-1.33	3.55
20	12.496	0.750	-2.208	0.952	1000.6	1440.5	510.3	83.0	1.109	1.134	0.999	-0.268	1.133	0.012	-0.042	-2.10	0.62
21	12.831	0.750	-2.208	0.952	999.9	1439.3	509.5	83.1	0.984	1.029	0.999	-0.059	1.027	0.018	-0.053	-2.95	1.03
22	13.164	0.750	-2.208	0.952	1000.6	1441.0	510.4	83.1	0.966	1.013	0.999	-0.027	1.011	0.020	-0.043	-2.71	1.14
23	13.497	0.750	-2.208	0.954	1001.9	1441.3	511.3	83.1	1.002	1.042	0.999	-0.086	1.041	0.016	-0.039	-2.16	0.88
24	13.830	0.750	-2.208	0.954	1001.9	1439.3	510.6	83.0	1.027	1.063	0.999	-0.128	1.063	0.010	-0.031	-1.65	0.55
25	14.163	0.750	-2.208	0.948	997.1	1440.1	508.2	83.1	1.026	1.068	0.999	-0.137	1.067	0.007	-0.024	-1.31	0.39
26	14.496	0.750	-2.208	0.950	999.0	1440.4	509.3	83.1	1.021	1.062	0.999	-0.126	1.062	0.006	-0.021	-1.18	0.31
27	14.829	0.750	-2.208	0.952	1000.2	1439.5	509.8	83.0	1.018	1.058	0.999	-0.117	1.058	0.006	-0.017	-0.94	0.30
29	15.162	0.750	-2.208	0.949	997.8	1439.8	508.5	83.1	1.033	1.073	0.999	-0.147	1.073	0.004	-0.013	-0.71	0.21
30	15.495	0.750	-2.208	0.949	997.7	1440.1	508.5	83.1	1.052	1.090	0.999	-0.181	1.090	-0.000	-0.004	-0.21	-0.01
31	15.828	0.750	-2.208	0.951	999.7	1440.9	509.9	83.1	1.069	1.102	0.999	-0.205	1.102	-0.005	0.008	0.40	-0.25
32	16.161	0.750	-2.208	0.953	1001.4	1441.0	510.8	83.2	1.080	1.109	0.998	-0.221	1.109	-0.009	0.021	1.05	-0.45
34	16.494	0.750	-2.208	0.948	997.0	1439.8	504.5	83.1	1.068	1.104	0.998	-0.210	1.103	-0.009	0.025	1.33	-0.44
35	16.827	0.750	-2.208	0.951	999.3	1435.2	507.7	83.1	1.067	1.101	0.999	-0.204	1.101	-0.003	0.026	1.36	-0.14
36	17.160	0.750	-2.208	0.953	1001.3	1437.3	509.5	83.1	1.080	1.109	0.999	-0.219	1.109	0.002	0.025	1.32	0.10
37	17.493	0.750	-2.208	0.953	1001.3	1437.8	509.6	83.2	1.108	1.132	0.999	-0.266	1.132	-0.012	0.022	1.13	-0.61
38	17.826	0.750	-2.208	0.952	1000.3	1439.1	509.7	83.0	1.114	1.138	0.998	-0.279	1.137	-0.007	0.023	1.16	-2.86
39	18.159	0.750	-2.208	0.953	1001.1	1437.6	509.6	82.9	1.110	1.134	0.999	-0.270	1.132	-0.005	0.023	1.16	-4.76
40	18.492	0.750	-2.208	0.949	997.8	1438.1	509.0	82.9	1.040	1.079	0.999	-0.160	1.076	-0.075	0.020	1.08	-4.01
41	18.825	0.750	-2.208	0.951	999.3	1440.1	509.6	82.8	0.944	0.993	0.998	0.011	0.991	-0.062	0.017	1.01	-3.58
42	19.158	0.750	-2.208	0.952	1000.2	1438.3	508.4	82.9	0.909	0.961	0.999	0.076	0.960	-0.045	0.017	0.99	-2.69
44	19.491	0.750	-2.208	0.953	1001.4	1440.8	510.9	83.1	0.906	0.958	0.998	0.081	0.957	-0.035	0.016	0.94	-2.08

1.00
1.00
1.00

DATE 9-MAR-79 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 813 2.999 0.00 25

SURVEY ALFAS
1302 0.01

DATE
2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 47

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.834	0.000	-3.708	0.950	998.3	1439.7	508.8	83.0	0.943	0.994	0.990	0.011	0.994	-0.003	-0.007	-0.43	-0.20
2	10.167	0.000	-3.708	0.951	998.9	1439.6	509.1	83.0	0.937	0.988	1.000	0.034	0.988	-0.004	-0.010	-0.57	-0.23
3	10.500	0.000	-3.708	0.951	999.6	1439.7	509.5	83.0	0.925	0.977	0.999	0.045	0.976	-0.004	-0.014	-0.80	-0.21
4	10.833	0.000	-3.708	0.952	1000.2	1439.8	509.8	83.1	0.915	0.967	0.999	0.065	0.966	-0.004	-0.020	-1.21	-0.24
5	11.166	0.000	-3.708	0.953	1001.0	1440.8	510.6	83.1	0.906	0.958	0.999	0.082	0.958	-0.004	-0.031	-1.55	-0.27
6	11.499	0.000	-3.708	0.950	998.5	1441.7	509.5	83.2	0.905	0.959	0.998	0.078	0.958	-0.005	-0.043	-2.58	-0.29
7	11.832	0.000	-3.708	0.949	997.7	1439.6	508.4	83.0	0.919	0.973	1.000	0.054	0.971	-0.005	-0.050	-2.92	-0.29
8	12.165	0.000	-3.708	0.951	999.6	1435.5	507.9	83.1	0.982	1.028	0.999	-0.057	1.027	-0.005	-0.044	-2.44	-0.27
9	12.498	0.000	-3.708	0.953	1001.4	1438.2	509.9	83.2	1.056	1.069	0.999	-0.179	1.088	-0.005	-0.026	-1.38	-0.24
10	12.831	0.000	-3.708	0.952	1000.3	1438.0	509.3	83.0	1.036	1.073	0.999	-0.148	1.073	-0.004	-0.020	-1.06	-0.24
11	13.164	0.000	-3.708	0.952	1000.6	1438.2	509.5	83.0	0.994	1.037	0.999	-0.075	1.037	-0.004	-0.019	-1.04	-0.21
12	13.497	0.000	-3.708	0.953	1001.4	1439.0	510.3	83.0	0.994	1.036	0.999	-0.073	1.036	-0.004	-0.016	-0.91	-0.24
13	13.830	0.000	-3.708	0.953	1001.4	1439.0	510.3	83.0	1.009	1.049	0.999	-0.099	1.049	-0.005	-0.014	-0.77	-0.26
14	14.163	0.000	-3.708	0.951	999.6	1438.6	508.1	83.1	1.009	1.050	0.999	-0.103	1.050	-0.004	-0.012	-0.63	-0.22
15	14.496	0.000	-3.708	0.953	1001.2	1439.9	510.4	83.1	1.014	1.053	0.998	-0.109	1.053	-0.004	-0.010	-0.53	-0.21
16	14.829	0.000	-3.708	0.953	1001.0	1439.1	510.0	83.1	1.014	1.054	0.999	-0.109	1.054	-0.004	-0.008	-0.42	-0.21
17	15.162	0.000	-3.708	0.949	997.9	1440.6	508.9	83.1	1.021	1.063	0.999	-0.127	1.063	-0.004	-0.005	-0.27	-0.20
18	15.495	0.000	-3.708	0.951	999.6	1440.5	509.8	83.0	1.032	1.071	0.998	-0.144	1.071	-0.003	-0.001	-0.08	-0.18
19	15.828	0.000	-3.708	0.953	1001.5	1441.3	511.1	83.1	1.046	1.080	0.998	-0.163	1.080	-0.003	0.004	0.19	-0.16
20	16.161	0.000	-3.708	0.954	1002.2	1440.2	511.1	83.1	1.055	1.087	0.998	-0.177	1.087	-0.003	0.009	0.46	-0.17
21	16.494	0.000	-3.708	0.950	998.8	1440.0	509.1	83.1	1.050	1.087	0.999	-0.176	1.087	-0.003	0.013	0.71	-0.17
22	16.827	0.000	-3.708	0.952	1000.3	1440.4	510.1	83.1	1.045	1.081	0.998	-0.164	1.081	-0.002	0.014	0.75	-0.17
23	17.160	0.000	-3.708	0.954	1001.7	1439.4	510.5	83.1	1.044	1.079	0.999	-0.160	1.079	-0.004	0.015	0.80	-0.19
24	17.493	0.000	-3.708	0.952	999.9	1440.0	509.7	83.1	1.045	1.081	0.998	-0.165	1.081	-0.004	0.021	1.04	-0.21
25	17.826	0.000	-3.708	0.954	1002.1	1440.7	511.2	83.0	1.048	1.081	0.999	-0.164	1.081	-0.004	0.027	1.43	-0.21
26	18.159	0.000	-3.708	0.953	1000.9	1439.8	510.3	82.9	1.030	1.067	0.999	-0.137	1.067	-0.004	0.032	1.74	-0.20
27	18.492	0.000	-3.708	0.951	999.0	1427.6	505.0	82.8	0.985	1.030	0.999	-0.061	1.029	-0.004	0.038	2.09	-0.21
28	18.825	0.000	-3.708	0.953	1001.1	1436.0	509.0	83.0	0.965	1.011	0.998	-0.025	1.010	-0.004	0.034	1.92	-0.21
29	19.158	0.000	-3.708	0.951	999.4	1435.3	507.9	82.9	0.934	0.985	0.999	0.029	0.984	-0.004	0.028	1.55	-0.21
30	19.491	0.000	-3.708	0.953	1001.5	1436.2	509.3	83.0	0.925	0.975	0.998	0.048	0.974	-0.003	0.022	1.31	-0.18

DATE 9-MAR-76 PROJECT NO P41C-N0C

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARLORD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALPHA

TC-532 814 2.997 0.00 25 1303 0.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 47

DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
2	9.834	0.000	-2.958	0.948	996.3	1439.4	507.6	82.8	0.938	0.991	0.999	0.017	0.991	-0.003	-0.007	-0.39	-0.19
3	10.167	0.000	-2.958	0.949	997.7	1439.7	508.4	83.0	0.927	0.981	0.998	0.036	0.980	-0.004	-0.009	-0.53	-0.22
5	10.500	0.000	-2.958	0.950	998.6	1439.9	508.9	83.1	0.915	0.968	0.999	0.062	0.968	-0.004	-0.013	-0.78	-0.20
7	10.833	0.000	-2.958	0.953	1000.7	1434.4	508.2	83.0	0.895	0.948	0.999	0.102	0.948	-0.004	-0.024	-1.47	-0.23
8	11.166	0.000	-2.958	0.952	999.9	1435.6	508.2	83.1	0.861	0.918	0.998	0.161	0.916	-0.005	-0.053	-3.32	-0.31
9	11.499	0.000	-2.958	0.951	999.6	1436.1	508.2	83.1	0.850	0.908	1.000	0.182	0.903	-0.007	-0.095	-6.00	-0.42
10	11.832	0.000	-2.958	0.953	1000.8	1438.2	509.6	83.1	0.886	0.940	0.999	0.117	0.933	-0.007	-0.116	-7.07	-0.44
11	12.165	0.000	-2.958	0.952	1000.2	1439.1	509.6	83.1	1.075	1.106	0.999	-0.215	1.103	-0.007	-0.081	-4.19	-0.36
12	12.498	0.000	-2.958	0.951	999.4	1437.4	508.6	83.0	1.121	1.145	1.000	-0.290	1.145	-0.005	-0.022	-1.08	-0.27
13	12.831	0.000	-2.958	0.953	1000.9	1439.7	510.2	83.1	1.052	1.086	0.999	-0.173	1.086	-0.004	-0.015	-0.80	-0.22
14	13.164	0.000	-2.958	0.954	1001.9	1440.0	510.8	83.1	0.970	1.014	0.999	-0.030	1.014	-0.005	-0.020	-1.16	-0.25
15	13.497	0.000	-2.958	0.949	997.6	1434.9	508.4	83.1	0.988	1.034	0.998	-0.071	1.034	-0.006	-0.018	-1.02	-0.32
16	13.830	0.000	-2.958	0.949	997.9	1439.7	508.5	83.1	1.020	1.062	0.998	-0.127	1.062	-0.006	-0.014	-0.78	-0.32
17	14.163	0.000	-2.958	0.951	999.3	1440.2	509.5	83.1	1.025	1.065	0.998	-0.132	1.065	-0.005	-0.013	-0.70	-0.27
18	14.496	0.000	-2.958	0.952	1000.4	1439.6	509.8	83.1	1.031	1.069	0.998	-0.141	1.069	-0.004	-0.008	-0.55	-0.24
19	14.829	0.000	-2.958	0.953	1001.5	1439.9	510.6	83.1	1.027	1.064	0.998	-0.131	1.064	-0.005	-0.007	-0.39	-0.24
20	15.162	0.000	-2.958	0.950	998.2	1440.5	509.0	83.0	1.040	1.078	0.998	-0.160	1.078	-0.004	-0.003	-0.17	-0.22
21	15.495	0.000	-2.958	0.952	1000.1	1439.8	509.8	83.0	1.051	1.086	0.998	-0.175	1.086	-0.003	-0.003	0.16	-0.13
22	15.828	0.000	-2.958	0.953	1001.3	1440.0	510.5	83.0	1.066	1.098	0.998	-0.198	1.098	-0.003	-0.003	0.35	-0.17
24	16.161	0.000	-2.958	0.949	997.4	1440.1	508.5	82.9	1.077	1.111	0.998	-0.224	1.111	-0.003	-0.013	0.66	-0.17
25	16.494	0.000	-2.958	0.950	998.1	1439.3	508.5	82.9	1.073	1.107	0.998	-0.216	1.106	-0.003	-0.015	0.80	-0.17
26	16.827	0.000	-2.958	0.952	999.8	1439.9	509.7	82.9	1.067	1.100	0.997	-0.203	1.100	-0.004	-0.015	0.79	-0.20
27	17.160	0.000	-2.958	0.954	1001.7	1440.1	510.9	82.8	1.070	1.100	0.998	-0.203	1.100	-0.004	-0.015	0.80	-0.22
28	17.493	0.000	-2.958	0.950	998.7	1440.3	509.3	82.9	1.093	1.123	0.998	-0.249	1.122	-0.004	-0.034	1.72	-0.19
29	17.826	0.000	-2.958	0.952	1000.0	1439.3	509.6	83.0	1.120	1.144	0.998	-0.290	1.141	-0.003	-0.077	3.85	-0.15
30	18.159	0.000	-2.958	0.950	998.1	1439.3	508.5	83.0	1.116	1.142	0.998	-0.286	1.138	-0.003	-0.091	4.59	-0.14
31	18.492	0.000	-2.958	0.950	999.2	1441.2	509.2	83.1	1.067	1.102	0.997	-0.207	1.098	-0.002	-0.050	4.69	-0.11
32	18.825	0.000	-2.958	0.953	1001.0	1440.6	510.6	83.1	0.968	1.013	0.997	-0.031	1.011	-0.003	-0.073	4.15	-0.15
33	19.158	0.000	-2.958	0.954	1002.4	1440.0	507.6	83.0	0.915	0.965	0.997	0.065	0.963	-0.003	-0.053	3.15	-0.15
34	19.491	0.000	-2.958	0.950	999.1	1435.3	507.5	83.2	0.909	0.962	0.998	0.071	0.962	-0.003	-0.039	2.29	-0.18

DATE 9-MAR-78 PROJECT NO P41C-W0C

AEO, INC.

AEO DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 815 2.994 0.00 25 1304 0.01

DATE 2-22-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPI	UL/VM	VL/VM	KL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.950	998.2	1437.3	507.9	83.0	0.936	0.988	0.999	0.024	0.988	-0.005	-0.006	-0.36	-0.28
2	11.167	-0.750	-2.208	0.954	1001.8	1439.3	510.6	83.0	0.858	0.913	0.998	0.169	0.912	-0.045	-0.013	-0.81	-2.80
3	12.500	-0.750	-2.208	0.946	994.9	1440.2	507.0	83.1	1.101	1.134	0.998	-0.271	1.133	-0.019	-0.039	-1.98	-0.97
4	13.833	-0.750	-2.208	0.952	1000.7	1439.0	509.8	83.2	1.030	1.067	0.999	-0.136	1.067	-0.015	-0.026	-1.41	-0.79
8	15.166	-0.750	-2.208	0.951	999.4	1439.3	509.3	83.0	1.033	1.072	0.999	-0.145	1.072	-0.008	-0.011	-0.61	-0.43
9	16.499	-0.750	-2.208	0.953	1000.8	1439.9	510.3	82.9	1.076	1.106	0.998	-0.215	1.106	0.003	0.023	1.20	0.17
14	17.832	-0.750	-2.208	0.946	994.6	1435.9	505.4	82.8	1.106	1.138	1.000	-0.275	1.136	0.051	0.022	1.09	2.56
15	19.165	-0.750	-2.208	0.947	995.4	1434.9	505.4	83.0	0.905	0.963	0.999	0.072	0.962	0.035	0.015	0.87	2.06
18	20.498	-0.750	-2.208	0.953	1001.4	1437.3	509.7	82.9	0.946	0.994	0.998	0.009	0.993	0.017	0.011	0.65	0.97

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.
AEC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS
TC-532 823 3.004 2.00 25 1301 1.99

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SHL
6	9.834	0.750	-2.208	0.951	999.4	1442.8	510.3	83.3	0.934	0.985	0.998	0.028	0.984	0.005	0.019	1.12	0.29
7	10.167	0.750	-2.208	0.951	999.1	1440.8	509.5	83.2	0.914	0.968	0.999	0.062	0.967	0.006	0.018	1.04	0.35
8	10.500	0.750	-2.208	0.950	999.0	1438.9	508.8	83.1	0.899	0.954	1.000	0.091	0.954	0.009	0.014	0.86	0.51
9	10.833	0.750	-2.208	0.952	1000.0	1429.7	506.5	83.1	0.876	0.931	0.999	0.134	0.931	0.018	0.010	0.59	1.11
10	11.166	0.750	-2.208	0.951	999.8	1433.5	507.2	83.3	0.844	0.902	1.000	0.194	0.901	0.047	0.005	0.33	2.57
11	11.499	0.750	-2.208	0.952	1000.5	1437.4	509.1	83.2	0.837	0.895	0.999	0.207	0.890	0.085	0.002	0.14	5.49
12	11.832	0.750	-2.208	0.952	1000.8	1437.9	509.4	83.2	0.872	0.927	0.999	0.143	0.921	0.104	0.000	0.01	6.43
13	12.165	0.750	-2.208	0.949	997.5	1439.4	508.1	83.3	1.032	1.073	0.999	-0.148	1.071	0.068	-0.005	-0.26	3.63
14	12.498	0.750	-2.208	0.950	998.9	1438.8	508.7	83.1	1.074	1.107	0.999	-0.216	1.107	0.020	-0.019	-0.96	1.02
15	12.831	0.750	-2.208	0.951	999.5	1439.5	509.3	83.1	0.939	0.989	0.999	0.020	0.989	0.027	-0.029	-1.68	1.57
16	13.164	0.750	-2.208	0.952	1000.4	1440.7	510.3	83.1	0.943	0.992	0.999	0.014	0.991	0.025	-0.026	-1.52	1.47
17	13.497	0.750	-2.208	0.952	1000.8	1429.4	506.4	83.2	0.965	1.012	0.998	-0.025	1.011	0.020	-0.020	-1.11	1.13
18	13.830	0.750	-2.208	0.953	1001.0	1434.3	508.2	83.3	0.987	1.031	0.999	-0.062	1.030	0.015	-0.014	-0.75	0.83
19	14.163	0.750	-2.208	0.950	999.0	1437.2	508.2	83.2	0.987	1.033	0.999	-0.067	1.033	0.011	-0.009	-0.47	0.61
20	14.496	0.750	-2.208	0.951	999.8	1436.6	508.5	83.1	0.985	1.030	0.999	-0.061	1.030	0.010	-0.006	-0.34	0.53
21	14.829	0.750	-2.208	0.952	1000.5	1437.7	509.2	83.1	0.984	1.028	0.999	-0.058	1.028	0.009	-0.004	-0.21	0.50
22	15.162	0.750	-2.208	0.951	999.7	1438.9	509.2	83.1	1.001	1.044	0.999	-0.090	1.044	0.007	-0.001	-0.05	0.41
23	15.495	0.750	-2.208	0.950	998.5	1439.0	508.7	83.0	1.032	1.072	0.998	-0.146	1.072	0.003	0.008	0.41	0.16
24	15.828	0.750	-2.208	0.952	999.9	1439.5	509.5	83.1	1.051	1.087	0.999	-0.175	1.087	0.002	0.019	0.38	-0.11
25	16.161	0.750	-2.208	0.953	1001.3	1439.8	510.5	83.0	1.061	1.093	0.999	-0.188	1.093	0.007	0.030	1.55	-0.36
26	16.494	0.750	-2.208	0.949	997.7	1439.2	508.2	83.1	1.045	1.084	0.999	-0.169	1.083	0.005	0.033	1.77	-0.28
27	16.827	0.750	-2.208	0.953	1001.0	1440.9	510.6	83.2	1.041	1.077	0.998	-0.157	1.077	0.000	0.034	1.80	-0.09
28	17.160	0.750	-2.208	0.955	1002.6	1440.2	511.4	83.0	1.053	1.085	0.998	-0.172	1.084	0.004	0.034	1.61	0.20
29	17.493	0.750	-2.208	0.949	997.4	1435.9	506.9	83.0	1.090	1.122	1.000	-0.243	1.121	-0.013	0.038	1.93	-0.88
30	17.826	0.750	-2.208	0.953	1001.7	1436.6	509.5	83.2	1.122	1.143	0.998	-0.289	1.141	-0.054	0.041	2.05	-2.73
31	18.159	0.750	-2.208	0.948	996.9	1437.9	507.2	83.3	1.102	1.132	0.999	-0.266	1.129	-0.072	0.039	1.97	-3.65
32	18.492	0.750	-2.208	0.952	1000.1	1439.2	509.4	83.3	1.057	1.091	0.998	-0.165	1.088	-0.073	0.036	1.88	-3.92
33	18.825	0.750	-2.208	0.953	1001.6	1438.1	509.9	83.3	0.950	0.997	0.999	-0.004	0.995	-0.057	0.032	1.84	-3.23
34	19.158	0.750	-2.208	0.952	1000.7	1439.2	509.8	83.3	0.911	0.963	0.999	0.072	0.962	-0.040	0.030	1.79	-2.38
37	19.491	0.750	-2.208	0.951	999.3	1440.8	509.6	83.3	0.905	0.959	0.999	0.080	0.958	-0.026	0.028	1.68	-1.57

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARMED AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 824 2.986 2.00 25 SURVEY ALFAS 1302 2.00

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SPL
1	9.834	0.000	-3.708	0.949	994.2	1435.0	506.9	83.3	0.939	0.991	1.000	0.018	0.991	-0.003	0.023	1.31	-0.16
2	10.167	0.000	-3.708	0.950	998.7	1436.2	507.6	83.3	0.930	0.982	0.999	0.033	0.982	-0.003	0.020	1.19	-0.19
3	10.500	0.000	-3.708	0.950	998.5	1436.1	507.5	83.2	0.918	0.972	1.000	0.056	0.971	-0.003	0.016	0.96	-0.19
4	10.833	0.000	-3.708	0.951	999.3	1438.0	508.7	83.1	0.907	0.960	0.999	0.078	0.960	-0.003	0.009	0.48	-0.21
5	11.166	0.000	-3.708	0.951	999.9	1439.6	509.6	83.1	0.897	0.951	0.999	0.095	0.951	-0.003	0.003	0.19	-0.20
6	11.499	0.000	-3.708	0.952	1000.1	1438.4	509.2	83.1	0.897	0.951	0.999	0.097	0.950	-0.003	0.014	0.84	-0.19
7	11.832	0.000	-3.708	0.953	1000.9	1439.8	510.2	83.2	0.909	0.961	0.999	0.077	0.961	-0.003	0.022	1.30	-0.20
8	12.165	0.000	-3.708	0.951	999.8	1435.7	508.1	83.3	0.952	1.001	0.999	-0.003	1.000	-0.004	0.016	0.91	-0.21
9	12.498	0.000	-3.708	0.952	1000.2	1437.0	508.8	83.2	1.015	1.056	0.999	-0.113	1.056	-0.004	0.002	0.10	-0.21
10	12.831	0.000	-3.708	0.952	1000.2	1437.4	509.0	83.1	0.992	1.035	0.999	-0.071	1.035	-0.004	0.002	0.13	-0.20
11	13.164	0.000	-3.708	0.953	1001.3	1439.7	510.4	83.0	0.971	1.016	0.998	-0.034	1.016	-0.004	0.002	0.12	-0.20
12	13.497	0.000	-3.708	0.954	1002.0	1439.1	510.6	83.0	0.973	1.017	0.998	-0.036	1.017	-0.004	0.004	0.20	-0.21
13	13.830	0.000	-3.708	0.950	998.2	1439.2	508.5	83.0	0.978	1.025	0.999	-0.052	1.025	-0.004	0.006	0.31	-0.21
14	14.163	0.000	-3.708	0.952	1000.8	1440.0	510.1	83.2	0.984	1.028	0.999	-0.058	1.028	-0.004	0.007	0.40	-0.20
15	14.496	0.000	-3.708	0.953	1001.5	1439.9	510.5	83.3	0.986	1.029	0.998	-0.061	1.029	-0.004	0.009	0.49	-0.20
16	14.829	0.000	-3.708	0.954	1002.5	1439.5	510.9	83.2	0.990	1.032	0.999	-0.065	1.032	-0.004	0.010	0.56	-0.21
17	15.162	0.000	-3.708	0.949	998.1	1440.1	508.7	83.1	0.995	1.040	0.999	-0.082	1.040	-0.004	0.011	0.82	-0.19
18	15.495	0.000	-3.708	0.951	999.3	1440.1	509.3	83.3	1.008	1.051	0.999	-0.103	1.051	-0.004	0.015	0.82	-0.19
19	15.828	0.000	-3.708	0.952	1000.9	1439.9	510.1	83.3	1.028	1.066	0.999	-0.134	1.066	-0.003	0.019	1.03	-0.19
20	16.161	0.000	-3.708	0.953	1001.0	1441.2	510.7	83.3	1.037	1.073	0.999	-0.149	1.073	-0.003	0.023	1.25	-0.18
21	16.494	0.000	-3.708	0.953	1001.0	1442.0	510.9	83.3	1.035	1.072	0.998	-0.146	1.071	-0.004	0.026	1.38	-0.20
22	16.827	0.000	-3.708	0.954	1002.3	1439.8	510.9	83.3	1.031	1.067	0.999	-0.135	1.066	-0.004	0.026	1.48	-0.19
24	17.160	0.000	-3.708	0.951	999.7	1439.6	509.4	83.2	1.033	1.071	0.999	-0.144	1.071	-0.004	0.030	1.83	-0.20
25	17.493	0.000	-3.708	0.953	1000.8	1441.7	510.8	83.1	1.044	1.080	0.998	-0.162	1.079	-0.004	0.035	1.86	-0.19
26	17.826	0.000	-3.708	0.949	997.8	1439.6	508.4	83.0	1.038	1.077	0.999	-0.157	1.077	-0.003	0.042	2.25	-0.16
27	18.159	0.000	-3.708	0.953	1001.0	1441.0	510.8	83.0	1.038	1.074	0.999	-0.150	1.073	-0.003	0.048	2.56	-0.17
30	18.492	0.000	-3.708	0.951	999.3	1440.2	509.5	83.1	1.008	1.050	0.999	-0.101	1.049	-0.003	0.051	2.78	-0.19
31	18.825	0.000	-3.708	0.951	999.3	1440.1	509.3	83.3	0.959	1.007	0.999	-0.015	1.006	-0.003	0.048	2.71	-0.19
33	19.158	0.000	-3.708	0.954	1001.8	1439.3	510.4	83.3	0.938	0.986	0.999	0.027	0.985	-0.003	0.042	2.42	-0.18
35	19.491	0.000	-3.708	0.953	1001.4	1436.6	509.3	83.3	0.930	0.980	0.998	0.037	0.979	-0.003	0.036	2.08	-0.17

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 825 2.950 2.00 25 1303 SURVEY ALFAS 2.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	0.952	1000.0	1434.8	508.0	83.1	0.936	0.986	0.998	0.025	0.986	-0.003	0.021	1.23	-0.19
2	10.167	0.000	-2.958	0.952	1000.1	1436.4	508.5	83.3	0.923	0.974	0.999	0.049	0.974	-0.004	0.019	1.11	-0.22
3	10.500	0.000	-2.958	0.952	1000.1	1436.6	508.5	83.2	0.907	0.960	1.000	0.080	0.960	-0.004	0.014	0.83	-0.22
4	10.833	0.000	-2.958	0.953	1000.8	1438.6	509.8	83.0	0.884	0.938	0.999	0.121	0.938	-0.004	0.002	0.10	-0.23
5	11.166	0.000	-2.958	0.948	997.0	1438.8	507.6	83.2	0.849	0.909	0.999	0.179	0.908	-0.004	-0.031	-1.97	-0.25
6	11.499	0.000	-2.958	0.950	998.9	1438.5	508.7	83.1	0.841	0.900	0.999	0.197	0.898	-0.005	-0.071	-4.54	-0.33
7	11.832	0.000	-2.958	0.952	1000.0	1439.0	509.4	83.2	0.875	0.930	0.999	0.137	0.926	-0.006	-0.090	-5.56	-0.35
8	12.165	0.000	-2.958	0.953	1001.2	1441.1	510.8	83.2	1.047	1.082	0.999	-0.165	1.080	-0.006	-0.057	-3.00	-0.31
9	12.498	0.000	-2.958	0.952	1000.4	1429.0	506.0	83.2	1.090	1.119	0.999	-0.239	1.119	-0.005	-0.008	-0.40	-0.27
10	12.831	0.000	-2.958	0.949	997.7	1435.4	506.8	83.3	0.974	1.023	0.999	-0.047	1.023	-0.004	-0.010	-0.58	-0.24
11	13.164	0.000	-2.958	0.950	998.6	1436.9	507.9	83.2	0.949	0.999	0.999	-0.001	0.999	-0.005	-0.010	-0.58	-0.28
12	13.497	0.000	-2.958	0.950	998.8	1437.6	508.2	83.2	0.964	1.012	0.999	-0.027	1.012	-0.005	-0.007	-0.41	-0.28
13	13.830	0.000	-2.958	0.952	1000.6	1439.0	509.8	83.1	0.983	1.027	0.998	-0.057	1.027	-0.005	-0.003	-0.17	-0.29
14	14.163	0.000	-2.958	0.954	1001.9	1439.4	510.6	83.2	0.964	1.027	0.998	-0.078	1.027	-0.005	-0.001	-0.06	-0.26
15	14.496	0.000	-2.958	0.955	1003.0	1440.3	511.4	83.3	0.997	1.037	0.998	-0.075	1.037	-0.004	0.002	0.09	-0.24
16	14.829	0.000	-2.958	0.950	999.0	1440.3	509.2	83.3	0.992	1.037	0.999	-0.075	1.037	-0.004	0.002	0.12	-0.22
17	15.162	0.000	-2.958	0.951	999.3	1439.4	509.1	83.3	1.005	1.048	0.999	-0.097	1.048	-0.004	0.005	0.30	-0.22
18	15.495	0.000	-2.958	0.953	1000.9	1434.5	508.2	83.2	1.029	1.067	0.999	-0.135	1.067	-0.004	0.010	0.52	-0.22
19	15.828	0.000	-2.958	0.948	997.0	1437.2	507.1	83.2	1.041	1.081	0.999	-0.164	1.081	-0.004	0.015	0.77	-0.21
20	16.161	0.000	-2.958	0.950	999.0	1437.1	508.1	83.3	1.049	1.086	0.999	-0.173	1.086	-0.004	0.019	1.01	-0.21
21	16.494	0.000	-2.958	0.952	1000.8	1438.7	509.7	83.3	1.044	1.079	0.999	-0.161	1.079	-0.004	0.022	1.15	-0.21
22	16.827	0.000	-2.958	0.955	1003.0	1439.2	511.0	83.3	1.044	1.074	0.999	-0.150	1.074	-0.004	0.022	1.18	-0.22
23	17.160	0.000	-2.958	0.952	1000.9	1438.8	509.7	83.3	1.044	1.080	0.999	-0.162	1.080	-0.004	0.024	1.26	-0.22
24	17.493	0.000	-2.958	0.952	1000.7	1439.2	509.8	83.3	1.086	1.115	0.999	-0.231	1.114	-0.004	0.043	2.19	-0.19
25	17.826	0.000	-2.958	0.952	1000.6	1432.7	507.4	83.3	1.116	1.139	0.996	-0.283	1.136	-0.004	0.063	4.16	-0.16
26	18.159	0.000	-2.958	0.953	1001.8	1436.7	509.5	83.3	1.115	1.138	0.998	-0.278	1.134	-0.003	0.096	4.64	-0.16
27	18.492	0.000	-2.958	0.950	998.8	1437.0	507.9	83.3	1.067	1.101	0.999	-0.204	1.097	-0.003	0.093	4.86	-0.17
28	18.825	0.000	-2.958	0.952	1000.2	1438.6	509.3	83.3	0.961	1.008	0.999	-0.018	1.005	-0.003	0.076	4.30	-0.20
29	19.158	0.000	-2.958	0.949	997.8	1438.9	508.0	83.3	0.913	0.965	0.999	-0.062	0.966	-0.003	0.056	3.30	-0.19
30	19.491	0.000	-2.958	0.950	998.4	1438.5	508.3	83.3	0.910	0.965	0.998	-0.068	0.964	-0.003	0.044	2.61	-0.20

DATE 9-MAR-78 PROJECT NO P41C-NOC

AEDC INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART HX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 826 2.988 2.00 25 1304 2.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	X	Y	Z	N	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SWL
1	9.834	-0.750	-2.208	0.949	998.1	1435.9	507.1	83.3	0.929	0.982	0.999	0.035	0.982	-0.012	0.021	1.26	-0.72
2	11.167	-0.750	-2.208	0.953	1001.1	1438.0	509.6	83.2	0.845	0.901	0.999	0.193	0.900	-0.054	0.010	0.82	-3.45
3	12.500	-0.750	-2.208	0.949	997.5	1438.3	507.7	83.3	1.088	1.104	0.999	-0.209	1.103	-0.027	-0.016	-0.84	-1.39
4	13.833	-0.750	-2.208	0.954	1002.1	1439.9	510.9	83.1	0.994	1.035	0.998	-0.073	1.035	-0.019	-0.008	-0.46	-1.05
5	15.166	-0.750	-2.208	0.952	1000.0	1438.8	509.3	83.1	1.000	1.042	0.999	-0.066	1.042	-0.012	0.002	0.11	-0.87
6	16.499	-0.750	-2.208	0.952	1000.7	1438.8	509.6	83.3	1.049	1.084	0.999	-0.170	1.084	-0.000	0.034	1.20	-0.02
7	17.832	-0.750	-2.208	0.947	996.0	1439.7	507.3	83.3	1.116	1.145	0.999	-0.292	1.144	0.053	0.037	1.55	2.43
8	19.165	-0.750	-2.208	0.948	998.8	1429.4	504.2	83.2	0.902	0.958	0.999	0.082	0.957	0.030	0.028	1.69	1.61
10	20.498	-0.750	-2.208	0.951	999.6	1435.3	507.8	83.3	0.945	0.995	0.998	0.007	0.995	0.012	0.023	1.32	0.59

DATE 9-MAR-78 PROJECT NO P41C-NOC

AEC, INC.

AEC DIVISION

A SVEDESH CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

IC-532 827 2.998 5.00 25 1301 5.01

AEC PROPULSION WIND TUNNEL
TRANSONIC 41DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SHL
9	9.834	0.750	-2.208	0.950	999.0	1440.0	504.1	83.3	0.911	0.965	0.999	0.068	0.963	0.018	0.056	3.33	1.06
10	10.167	0.750	-2.208	0.952	1000.8	1441.3	510.6	83.3	0.895	0.949	0.999	0.100	0.947	0.019	0.053	3.20	1.16
11	10.500	0.750	-2.208	0.953	1001.4	1441.4	510.9	83.3	0.879	0.929	0.998	0.138	0.928	0.022	0.049	3.01	1.39
12	10.833	0.750	-2.208	0.954	1002.1	1441.3	511.3	83.3	0.849	0.905	0.998	0.185	0.903	0.032	0.043	2.73	2.05
14	11.166	0.750	-2.208	0.947	996.2	1437.3	506.6	83.3	0.821	0.884	1.000	0.231	0.881	0.062	0.038	2.50	4.03
16	11.499	0.750	-2.208	0.949	997.7	1434.9	506.7	83.1	0.823	0.884	0.999	0.228	0.879	0.095	0.036	2.33	6.14
17	11.832	0.750	-2.208	0.950	998.9	1434.3	508.5	83.3	0.850	0.918	0.999	0.161	0.912	0.105	0.033	2.10	6.56
18	12.165	0.750	-2.208	0.951	999.4	1438.3	508.7	83.3	0.961	1.009	0.999	-0.019	1.007	0.065	0.026	1.51	3.69
19	12.498	0.750	-2.208	0.952	1000.0	1439.5	509.7	83.0	0.967	1.014	0.998	-0.030	1.013	0.031	0.013	0.72	1.76
20	12.831	0.750	-2.208	0.952	1000.0	1438.7	509.3	83.1	0.903	0.957	0.999	0.085	0.956	0.037	0.002	0.14	2.74
21	13.164	0.750	-2.208	0.953	1001.1	1440.3	510.5	83.1	0.912	0.963	0.999	0.071	0.963	0.034	0.003	0.19	2.00
22	13.497	0.750	-2.208	0.954	1002.3	1440.3	511.1	83.2	0.926	0.975	0.998	0.047	0.975	0.028	0.007	0.43	1.04
23	13.830	0.750	-2.208	0.949	997.7	1439.7	508.3	83.3	0.935	0.987	0.999	0.024	0.987	0.022	0.013	0.74	1.28
24	14.163	0.750	-2.208	0.950	998.8	1441.1	509.4	83.3	0.938	0.989	0.998	0.016	0.989	0.018	0.015	0.88	1.05
25	14.496	0.750	-2.208	0.951	999.1	1440.3	509.3	83.2	0.940	0.991	0.999	0.017	0.990	0.016	0.017	0.76	0.92
26	14.829	0.750	-2.208	0.952	1000.6	1440.0	510.2	83.0	0.945	0.993	0.999	0.012	0.993	0.015	0.017	0.99	0.86
27	15.162	0.750	-2.208	0.954	1001.9	1440.6	511.1	83.0	0.956	1.002	0.999	-0.006	1.002	0.013	0.019	1.11	0.77
28	15.495	0.750	-2.208	0.949	997.5	1439.5	508.2	83.1	0.982	1.029	0.999	-0.060	1.029	0.008	0.027	1.50	0.65
29	15.828	0.750	-2.208	0.950	998.3	1438.8	505.0	82.9	1.005	1.048	0.999	-0.099	1.048	0.002	0.037	2.01	0.53
30	16.161	0.750	-2.208	0.953	1001.1	1434.6	508.5	83.2	1.030	1.067	0.999	-0.136	1.067	-0.003	0.044	2.37	0.17
31	16.494	0.750	-2.208	0.953	1001.3	1437.4	509.5	83.3	1.008	1.048	0.998	-0.099	1.047	-0.000	0.045	2.47	0.52
32	16.827	0.750	-2.208	0.952	1000.2	1438.9	509.4	83.3	0.994	1.037	0.998	-0.078	1.036	0.005	0.045	2.50	0.25
33	17.160	0.750	-2.208	0.952	1000.1	1438.7	509.3	83.3	1.022	1.062	0.999	-0.126	1.061	0.008	0.047	2.32	0.78
34	17.493	0.750	-2.208	0.951	999.9	1440.0	509.6	83.3	1.093	1.122	0.998	-0.246	1.121	-0.013	0.051	2.51	0.84
35	17.826	0.750	-2.208	0.954	1001.7	1440.1	510.8	83.1	1.123	1.145	0.998	-0.251	1.142	-0.051	0.056	2.79	2.57
37	18.159	0.750	-2.208	0.951	999.5	1438.8	509.1	83.0	1.112	1.137	0.999	-0.276	1.134	-0.065	0.054	2.74	3.30
38	18.492	0.750	-2.208	0.951	999.5	1440.5	509.7	83.0	1.048	1.085	0.998	-0.172	1.082	-0.064	0.049	2.59	3.33
39	18.825	0.750	-2.208	0.954	1002.0	1441.4	511.4	83.2	0.945	0.992	0.998	0.013	0.990	-0.048	0.047	2.73	2.77
40	19.158	0.750	-2.208	0.952	1000.2	1441.1	510.2	83.3	0.902	0.956	0.998	0.085	0.954	-0.028	0.045	2.66	1.68
41	19.491	0.750	-2.208	0.954	1002.4	1441.2	511.4	83.3	0.905	0.956	0.998	0.086	0.954	-0.019	0.043	2.60	1.09

DATE 9-MAR-78 PROJECT NO P41C-N0C

AFU, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 828 2.984 5.00 25 1302 5.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 11

DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-3.708	0.948	997.1	1434.7	506.2	83.3	0.920	0.974	0.999	0.049	0.972	-0.003	0.065	3.83	-0.17
2	10.167	0.000	-3.708	0.951	999.2	1436.5	508.0	83.2	0.911	0.964	0.999	0.070	0.962	-0.003	0.061	3.65	-0.19
3	10.500	0.000	-3.708	0.952	1000.3	1437.2	508.8	83.3	0.900	0.953	0.999	0.092	0.952	-0.003	0.056	3.39	-0.19
4	10.833	0.000	-3.708	0.952	1001.1	1438.1	509.1	83.2	0.887	0.942	0.999	0.114	0.941	-0.003	0.048	2.90	-0.21
5	11.166	0.000	-3.708	0.953	1001.1	1439.4	510.1	83.2	0.878	0.932	0.999	0.132	0.932	-0.003	0.035	2.17	-0.20
6	11.499	0.000	-3.708	0.953	1001.1	1439.7	510.2	83.3	0.877	0.931	0.998	0.134	0.931	-0.003	0.023	1.43	-0.21
7	11.832	0.000	-3.708	0.951	999.4	1435.6	508.8	83.2	0.887	0.942	1.001	0.116	0.942	-0.003	0.016	0.96	-0.20
8	12.165	0.000	-3.708	0.954	1001.7	1434.7	508.8	83.1	0.916	0.966	0.997	0.063	0.966	-0.003	0.020	1.18	-0.20
9	12.498	0.000	-3.708	0.950	998.9	1435.8	507.6	83.3	0.938	0.989	0.999	0.020	0.989	-0.004	0.031	1.73	-0.22
10	12.831	0.000	-3.708	0.950	998.9	1435.6	507.5	83.2	0.933	0.985	1.000	0.030	0.984	-0.004	0.032	1.86	-0.21
11	13.164	0.000	-3.708	0.953	1000.8	1439.4	510.0	83.1	0.930	0.980	0.999	0.037	0.980	-0.004	0.032	1.81	-0.21
12	13.497	0.000	-3.708	0.954	1002.5	1440.1	511.1	83.3	0.933	0.981	0.998	0.034	0.981	-0.004	0.032	1.84	-0.22
13	13.830	0.000	-3.708	0.953	1001.8	1438.9	510.3	83.3	0.936	0.985	0.999	0.028	0.984	-0.004	0.032	1.88	-0.23
14	14.163	0.000	-3.708	0.949	998.1	1439.6	508.4	83.3	0.941	0.992	0.999	0.014	0.992	-0.004	0.034	1.94	-0.23
15	14.496	0.000	-3.708	0.951	999.5	1439.6	509.3	83.3	0.944	0.994	0.999	0.010	0.993	-0.004	0.034	1.99	-0.21
16	14.829	0.000	-3.708	0.953	1001.7	1440.4	510.7	83.3	0.952	0.999	0.998	0.000	0.998	-0.003	0.035	2.01	-0.19
17	15.162	0.000	-3.708	0.951	999.8	1437.1	508.5	83.3	0.956	1.005	1.000	-0.009	1.004	-0.004	0.036	2.07	-0.21
18	15.495	0.000	-3.708	0.952	1000.7	1435.8	508.6	83.3	0.974	1.019	0.999	-0.041	1.019	-0.004	0.038	2.16	-0.21
19	15.828	0.000	-3.708	0.953	1001.2	1437.1	509.8	83.3	0.985	1.029	0.999	-0.058	1.028	-0.003	0.041	2.27	-0.21
20	16.161	0.000	-3.708	0.954	1002.3	1437.1	509.9	83.3	0.992	1.033	0.999	-0.068	1.032	-0.003	0.043	2.38	-0.19
21	16.494	0.000	-3.708	0.951	1000.0	1439.0	509.3	83.3	0.992	1.036	0.999	-0.073	1.035	-0.004	0.045	2.49	-0.20
22	16.827	0.000	-3.708	0.953	1001.7	1440.0	510.6	83.3	0.993	1.035	0.998	-0.073	1.034	-0.003	0.046	2.54	-0.19
23	17.160	0.000	-3.708	0.952	1000.5	1438.7	509.5	83.3	1.001	1.043	0.999	-0.087	1.042	-0.004	0.048	2.63	-0.21
24	17.493	0.000	-3.708	0.953	1001.5	1440.1	510.5	83.4	1.030	1.067	0.998	-0.136	1.065	-0.004	0.054	2.88	-0.19
25	17.826	0.000	-3.708	0.950	998.5	1438.3	508.3	83.2	1.042	1.080	0.999	-0.162	1.078	-0.003	0.064	3.38	-0.17
26	18.159	0.000	-3.708	0.954	1001.8	1440.3	510.9	83.0	1.037	1.081	0.999	-0.164	1.079	-0.003	0.070	3.74	-0.15
27	18.492	0.000	-3.708	0.952	1000.2	1440.6	510.1	83.1	1.019	1.059	0.998	-0.119	1.056	-0.003	0.073	3.97	-0.15
28	18.825	0.000	-3.708	0.951	999.5	1429.2	505.7	83.0	0.956	1.004	1.000	-0.008	1.001	-0.002	0.069	3.97	-0.13
29	19.158	0.000	-3.708	0.950	993.4	1435.4	507.3	83.1	0.934	0.986	0.999	0.027	0.984	-0.003	0.062	3.60	-0.17
30	19.491	0.000	-3.708	0.953	1001.0	1437.8	509.5	83.2	0.926	0.976	0.998	0.045	0.974	-0.003	0.056	3.25	-0.15

DATE 9-MAR-78 PROJECT NO P4IC-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART

TC-532 829

PEX10-6

ALFA

CONFIG

SURVEY

ALFAS

1303

5.01

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AL	S/L
1	9.834	0.000	-2.958	0.953	1001.4	1438.8	510.0	83.3	0.915	0.966	0.999	0.066	0.964	-0.004	0.059	3.53	-0.23
2	10.167	0.000	-2.958	0.950	998.9	1429.6	505.5	83.1	0.898	0.953	0.998	0.090	0.952	-0.004	0.056	3.34	-0.21
3	10.500	0.000	-2.958	0.951	999.3	1433.5	507.0	83.2	0.883	0.939	0.999	0.121	0.938	-0.004	0.049	2.96	-0.22
4	10.833	0.000	-2.958	0.952	1000.3	1436.9	508.7	83.3	0.859	0.916	0.999	0.166	0.915	-0.004	0.034	2.15	-0.24
5	11.166	0.000	-2.958	0.953	1001.3	1439.2	510.1	83.3	0.825	0.883	0.998	0.228	0.883	-0.004	-0.004	-0.25	-0.25
6	11.499	0.000	-2.958	0.953	1001.4	1438.7	510.0	83.3	0.818	0.877	0.999	0.242	0.875	-0.005	-0.049	-3.20	-0.31
7	11.832	0.000	-2.958	0.954	1002.4	1439.1	510.7	83.3	0.852	0.907	0.998	0.181	0.905	-0.005	-0.071	-4.50	-0.30
8	12.165	0.000	-2.958	0.955	1002.8	1430.1	507.7	83.3	0.977	1.019	0.998	-0.042	1.019	-0.006	-0.030	-1.69	-0.31
9	12.498	0.000	-2.958	0.954	1002.2	1436.7	509.7	83.4	1.021	1.039	0.999	-0.120	1.039	-0.005	0.005	0.28	-0.28
10	12.831	0.000	-2.958	0.949	998.2	1438.3	508.0	83.5	0.914	0.968	0.999	0.061	0.968	-0.004	0.002	0.13	-0.26
11	13.164	0.000	-2.958	0.950	998.8	1438.0	508.3	83.3	0.911	0.965	0.999	0.068	0.965	-0.005	0.003	0.20	-0.29
12	13.497	0.000	-2.958	0.952	1000.4	1439.3	509.6	83.3	0.918	0.970	0.998	0.057	0.970	-0.005	0.006	0.36	-0.31
13	13.830	0.000	-2.958	0.953	1001.4	1440.4	510.6	83.3	0.927	0.977	0.998	0.044	0.976	-0.005	0.010	0.59	-0.23
14	14.163	0.000	-2.958	0.953	1001.4	1439.7	510.3	83.3	0.931	0.980	0.998	0.037	0.980	-0.005	0.010	0.58	-0.28
15	14.496	0.000	-2.958	0.947	996.4	1438.9	507.3	83.3	0.936	0.990	0.999	0.021	0.990	-0.005	0.014	0.82	-0.26
16	14.829	0.000	-2.958	0.950	998.9	1439.7	509.0	83.3	0.938	0.989	0.999	0.021	0.989	-0.005	0.013	0.75	-0.26
17	15.162	0.000	-2.958	0.952	1000.4	1439.9	509.9	83.2	0.949	0.998	0.999	0.003	0.998	-0.004	0.016	0.90	-0.23
18	15.495	0.000	-2.958	0.954	1001.9	1440.2	510.9	83.1	0.965	1.010	0.999	-0.022	1.010	-0.004	0.018	1.02	-0.25
19	15.828	0.000	-2.958	0.950	998.7	1439.5	508.8	83.2	0.978	1.024	0.999	-0.050	1.024	-0.005	0.022	1.26	-0.26
20	16.161	0.000	-2.958	0.953	1001.0	1440.4	510.4	83.3	0.990	1.033	0.999	-0.067	1.032	-0.004	0.026	1.43	-0.24
21	16.494	0.000	-2.958	0.954	1002.3	1439.9	510.9	83.3	0.984	1.027	0.999	-0.055	1.026	-0.004	0.027	1.51	-0.25
22	16.827	0.000	-2.958	0.952	1000.4	1440.6	510.2	83.2	0.982	1.027	0.998	-0.056	1.026	-0.005	0.028	1.56	-0.27
23	17.160	0.000	-2.958	0.955	1002.9	1439.8	511.2	83.3	0.993	1.033	0.999	-0.068	1.033	-0.004	0.030	1.65	-0.24
24	17.493	0.000	-2.958	0.952	1000.4	1441.8	510.5	83.4	1.091	1.119	0.999	-0.241	1.118	-0.004	0.060	3.06	-0.23
25	17.826	0.000	-2.958	0.954	1002.4	1442.9	512.0	83.3	1.134	1.153	0.998	-0.307	1.148	-0.004	0.108	5.39	-0.13
26	18.159	0.000	-2.958	0.950	998.8	1439.9	509.0	83.2	1.120	1.145	0.999	-0.292	1.139	-0.003	0.120	6.03	-0.15
27	18.492	0.000	-2.958	0.952	1003.4	1431.5	507.0	83.1	1.081	1.111	0.999	-0.224	1.105	-0.002	0.116	5.99	-0.13
28	18.825	0.000	-2.958	0.950	998.7	1437.2	508.0	83.2	0.955	1.004	0.998	-0.011	1.000	-0.003	0.090	5.17	-0.13
29	19.158	0.000	-2.958	0.951	999.7	1438.6	509.0	83.2	0.913	0.966	0.998	0.066	0.963	-0.003	0.071	4.22	-0.13
30	19.491	0.000	-2.958	0.952	1000.8	1439.7	509.9	83.4	0.915	0.966	0.998	0.064	0.964	-0.003	0.061	3.64	-0.19

DATE 9-MAR-78 PROJECT NO P41C-NOC

APD, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARABALD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 830 3.002 5.00 25

SURVEY ALFAS
1304 5.01

DATE
2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	HL	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	0.954	1002.5	1440.9	511.3	83.5	0.911	0.961	0.999	0.076	0.959	-0.024	0.057	3.38	-1.44
2	11.167	-0.750	-2.208	0.952	1000.2	1434.7	507.8	83.4	0.921	0.880	0.999	0.235	0.876	-0.070	0.042	2.72	-4.56
3	12.500	-0.750	-2.208	0.949	998.0	1438.3	507.9	83.5	0.954	1.005	0.998	-0.012	1.004	-0.038	0.015	0.97	-2.18
4	13.833	-0.750	-2.208	0.953	1001.2	1437.7	509.5	83.3	0.934	0.983	0.999	0.032	0.983	-0.026	0.016	0.95	-1.53
7	15.166	-0.750	-2.208	0.952	1000.6	1440.4	510.1	83.4	0.958	1.006	0.998	-0.014	1.005	-0.018	0.021	1.21	-1.00
10	16.499	-0.750	-2.208	0.950	998.8	1439.3	508.7	83.3	0.999	1.043	0.999	-0.089	1.042	-0.005	0.048	2.62	-0.28
12	17.832	-0.750	-2.208	0.952	1000.6	1441.6	510.5	83.4	1.124	1.147	0.991	-0.295	1.144	0.039	0.052	2.62	2.45
13	19.165	-0.750	-2.208	0.953	1001.4	1439.5	510.3	83.2	0.907	0.959	0.999	0.060	0.958	0.027	0.054	2.60	1.60
16	20.498	-0.750	-2.208	0.951	999.3	1437.4	508.4	83.2	0.938	0.989	0.999	0.022	0.988	0.006	0.038	2.18	0.33

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARGOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIG 25

SURVEY ALFAS

1301 0.00

DATE 2-23-78

AEC PROPULSION WIND TUNNEL

TRANSMIC 47

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
8	9.834	0.750	-2.208	1.053	1088.3	1403.1	540.4	83.2	1.082	1.022	0.997	-0.048	1.022	-0.002	-0.007	-0.37	-0.12
9	10.167	0.750	-2.208	1.053	1088.5	1402.2	540.1	83.2	1.079	1.019	0.997	-0.042	1.019	-0.002	-0.007	-0.38	-0.09
10	10.500	0.750	-2.208	1.053	1087.9	1400.7	539.3	83.0	1.063	1.008	0.999	-0.017	1.008	-0.001	-0.010	-0.55	-0.04
11	10.833	0.750	-2.208	1.051	1086.1	1402.3	539.2	83.0	1.017	0.974	0.998	0.050	0.973	0.006	-0.015	-0.91	0.36
12	11.166	0.750	-2.208	1.050	1085.3	1402.0	538.7	83.0	0.914	0.890	0.999	0.218	0.889	0.034	-0.018	-1.16	2.22
13	11.499	0.750	-2.208	1.051	1086.4	1402.5	539.4	82.9	0.882	0.862	0.998	0.273	0.859	0.076	-0.018	-1.22	5.04
14	11.832	0.750	-2.208	1.052	1086.7	1402.6	539.6	82.9	0.911	0.886	0.998	0.225	0.861	0.097	-0.020	-1.33	6.25
15	12.165	0.750	-2.208	1.053	1087.8	1402.9	540.2	83.0	1.103	1.038	0.998	-0.079	1.036	0.067	-0.025	-1.44	3.73
16	12.498	0.750	-2.208	1.053	1087.9	1402.5	540.0	83.1	1.162	1.082	0.997	-0.166	1.081	0.006	-0.041	-2.15	0.29
17	12.831	0.750	-2.208	1.053	1088.1	1402.1	540.0	83.0	1.129	1.058	0.996	-0.120	1.056	0.001	-0.061	-3.29	0.05
18	13.164	0.750	-2.208	1.049	1088.9	1402.4	538.6	83.1	1.083	1.026	0.995	-0.059	1.024	0.015	-0.061	-3.42	0.82
19	13.497	0.750	-2.208	1.050	1088.3	1402.1	538.7	83.1	1.096	1.035	0.998	-0.074	1.034	0.015	-0.045	-2.48	0.83
20	13.830	0.750	-2.208	1.051	1085.9	1403.1	539.4	83.0	1.099	1.037	0.996	-0.079	1.037	0.012	-0.031	-1.71	0.68
21	14.163	0.750	-2.208	1.051	1086.4	1401.1	538.8	83.1	1.097	1.035	0.996	-0.075	1.035	0.010	-0.025	-1.36	0.57
22	14.496	0.750	-2.208	1.051	1086.5	1400.8	538.8	83.0	1.094	1.032	0.996	-0.069	1.032	0.009	-0.024	-1.31	0.51
23	14.829	0.750	-2.208	1.054	1088.3	1402.7	540.3	83.0	1.102	1.037	0.996	-0.078	1.037	0.009	-0.022	-1.22	0.52
24	15.162	0.750	-2.208	1.053	1088.1	1401.4	539.7	83.0	1.111	1.044	0.998	-0.093	1.044	0.009	-0.018	-0.96	0.49
25	15.495	0.750	-2.208	1.050	1085.2	1401.3	538.3	83.1	1.124	1.057	0.997	-0.116	1.057	0.007	-0.006	-0.35	0.36
26	15.828	0.750	-2.208	1.052	1086.6	1402.7	539.6	83.1	1.148	1.073	0.995	-0.151	1.073	0.002	0.014	0.74	0.13
27	16.161	0.750	-2.208	1.053	1088.4	1403.2	540.5	83.1	1.162	1.082	0.992	-0.171	1.081	0.000	0.032	1.72	0.00
28	16.494	0.750	-2.208	1.050	1085.3	1402.1	538.6	83.2	1.136	1.066	0.991	-0.141	1.066	0.003	0.024	1.29	0.19
29	16.827	0.750	-2.208	1.051	1086.2	1400.7	538.5	83.2	1.118	1.052	0.992	-0.112	1.051	0.005	0.016	0.67	0.25
30	17.160	0.750	-2.208	1.053	1088.4	1401.5	539.8	83.2	1.134	1.062	0.997	-0.126	1.061	0.007	0.015	0.82	0.36
31	17.493	0.750	-2.208	1.049	1084.5	1401.2	539.8	83.0	1.170	1.091	0.996	-0.186	1.091	-0.005	0.024	1.26	-0.27
32	17.826	0.750	-2.208	1.051	1086.4	1401.6	539.0	83.0	1.281	1.168	0.993	-0.336	1.164	-0.094	0.040	1.96	-4.52
33	18.159	0.750	-2.208	1.053	1088.1	1402.7	540.2	83.0	1.304	1.182	0.978	-0.375	1.178	-0.086	0.045	2.17	-4.19
34	18.492	0.750	-2.208	1.053	1088.2	1401.0	539.6	83.0	1.304	1.182	0.975	-0.379	1.178	-0.083	0.037	2.77	-4.66
35	18.825	0.750	-2.208	1.055	1089.4	1401.2	540.2	83.0	1.160	1.079	0.974	-0.187	1.079	-0.060	0.030	1.59	-0.61
36	19.158	0.750	-2.208	1.052	1087.2	1402.3	539.6	83.1	1.079	1.021	0.991	-0.053	1.020	-0.017	0.011	0.60	-0.94
37	19.491	0.750	-2.208	1.053	1087.7	1402.0	539.7	83.1	1.081	1.022	0.998	-0.047	1.022	-0.019	0.008	0.47	-1.05

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARC, INC.

AEC DIVISION

A SYNERGIC CORPORATION COMPANY

PROPELSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PRTY RX10-6 ALPHA CONFIG 25

TC-532 540 2.997 0.00

DATE 2-22-78

AEDC PROPELSION WIND TUNNEL

TRANSONIC 4T

SURVEY ALFAS

PT 1302 0.01

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AL	SVL
1	9.834	0.000	-3.708	1.046	1082.5	1402.5	537.5	83.3	1.124	1.060	0.997	-0.123	1.060	-0.003	0.003	0.26	-0.15
2	10.167	0.000	-3.708	1.051	1086.7	1402.3	539.3	83.3	1.110	1.045	0.998	-0.093	1.045	-0.003	0.001	0.05	-0.17
3	10.500	0.000	-3.708	1.051	1086.4	1402.0	539.0	83.3	1.105	1.041	0.997	-0.086	1.041	-0.003	0.001	0.07	-0.14
4	10.833	0.000	-3.708	1.051	1086.5	1401.0	538.7	83.2	1.050	1.000	0.998	-0.002	0.999	-0.003	0.015	-0.89	-0.17
5	11.166	0.000	-3.708	1.051	1086.2	1400.3	538.4	83.0	0.973	0.938	0.998	0.122	0.937	-0.003	-0.030	-1.86	-0.17
6	11.499	0.000	-3.708	1.052	1087.2	1402.5	539.7	83.0	0.949	0.918	0.998	0.151	0.917	-0.003	-0.046	-2.66	-0.20
7	11.832	0.000	-3.708	1.051	1086.3	1400.8	538.7	83.0	0.970	0.935	0.999	0.127	0.934	-0.003	-0.054	-3.28	-0.20
8	12.165	0.000	-3.708	1.052	1086.6	1402.7	539.6	83.2	1.057	1.004	0.999	-0.011	1.003	-0.004	-0.051	-2.69	-0.21
9	12.498	0.000	-3.708	1.049	1084.9	1402.8	538.7	83.2	1.120	1.054	0.998	-0.111	1.054	-0.003	-0.031	-1.67	-0.18
10	12.831	0.000	-3.708	1.050	1085.1	1402.3	538.6	83.2	1.159	1.083	0.997	-0.168	1.083	-0.004	-0.005	-0.24	-0.20
11	13.164	0.000	-3.708	1.051	1086.4	1403.1	539.5	83.3	1.144	1.071	0.993	-0.148	1.071	-0.003	-0.010	-0.56	-0.15
12	13.497	0.000	-3.708	1.051	1086.7	1402.1	539.2	83.3	1.092	1.031	0.995	-0.068	1.031	-0.003	-0.024	-1.32	-0.18
13	13.830	0.000	-3.708	1.052	1087.1	1401.9	539.3	83.3	1.079	1.021	0.995	-0.049	1.021	-0.003	-0.023	-1.27	-0.17
14	14.163	0.000	-3.708	1.053	1088.4	1401.6	539.8	83.3	1.114	1.046	0.998	-0.095	1.046	-0.003	-0.014	-0.79	-0.17
15	14.496	0.000	-3.708	1.055	1089.4	1403.6	541.0	83.2	1.128	1.056	0.997	-0.116	1.056	-0.003	-0.008	-0.44	-0.17
16	14.829	0.000	-3.708	1.051	1086.3	1401.6	539.0	83.0	1.129	1.060	0.997	-0.123	1.060	-0.003	-0.006	-0.32	-0.15
17	15.162	0.000	-3.708	1.051	1086.5	1400.8	538.7	83.0	1.120	1.053	0.996	-0.110	1.053	-0.003	-0.007	-0.40	-0.14
18	15.495	0.000	-3.708	1.051	1086.1	1402.2	539.1	83.0	1.120	1.053	0.997	-0.109	1.053	-0.002	-0.006	-0.30	-0.12
19	15.828	0.000	-3.708	1.051	1086.0	1402.5	539.2	83.1	1.123	1.055	0.996	-0.115	1.055	-0.003	-0.001	-0.07	-0.15
20	16.161	0.000	-3.708	1.050	1085.2	1400.5	538.1	82.9	1.133	1.064	0.997	-0.130	1.064	-0.003	0.005	0.25	-0.15
21	16.494	0.000	-3.708	1.053	1087.1	1401.8	539.6	82.9	1.147	1.072	0.996	-0.147	1.072	-0.003	0.011	0.61	-0.15
22	16.827	0.000	-3.708	1.054	1089.1	1402.4	540.5	83.0	1.161	1.080	0.995	-0.165	1.080	-0.002	0.020	1.08	-0.12
23	17.160	0.000	-3.708	1.051	1086.8	1401.8	539.2	83.2	1.170	1.090	0.994	-0.184	1.089	-0.002	0.023	1.24	-0.11
24	17.493	0.000	-3.708	1.053	1088.1	1402.9	540.2	83.1	1.151	1.074	0.993	-0.154	1.074	-0.002	0.014	0.73	-0.12
25	17.826	0.000	-3.708	1.052	1087.3	1401.8	539.5	83.0	1.147	1.072	0.995	-0.149	1.072	-0.004	0.017	0.92	-0.20
26	18.159	0.000	-3.708	1.051	1086.3	1401.9	539.1	83.1	1.176	1.094	0.995	-0.192	1.093	-0.004	0.044	2.29	-0.20
27	18.492	0.000	-3.708	1.052	1087.6	1402.1	539.7	83.2	1.229	1.131	0.993	-0.266	1.128	-0.004	0.079	4.01	-0.20
28	18.825	0.000	-3.708	1.052	1086.9	1401.5	539.1	83.2	1.248	1.145	0.987	-0.298	1.141	-0.003	0.091	4.56	-0.17
29	19.158	0.000	-3.708	1.052	1087.3	1403.8	540.2	83.2	1.186	1.101	0.987	-0.213	1.099	-0.003	0.067	3.50	-0.15
30	19.491	0.000	-3.708	1.052	1087.3	1402.1	539.5	83.2	1.087	1.027	0.988	-0.070	1.027	-0.001	0.030	1.69	-0.06

DATE 9-15-78 PROJECT NO P41C-N0C

AMJ, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARABOLD AIR FORCE STATION, TENNESSEE

TEST PART RX10-6 ALFA CONFIG SURVEY ALFA S
TC-532 841 2.997 0.00 25 1303 0.01

DATE 2-22-78
AEC PROPULSION WIND TUNNEL
TRANSOMIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	9.834	0.000	-2.958	1.048	1083.9	1402.0	538.0	83.2	1.118	1.054	0.997	-0.111	1.054	-0.003	0.002	0.10	-0.14
4	10.167	0.000	-2.958	1.050	1085.6	1403.2	539.1	83.3	1.105	1.042	0.997	-0.088	1.042	-0.003	-0.000	-0.02	-0.15
5	10.500	0.000	-2.958	1.050	1085.9	1401.8	538.8	83.2	1.088	1.029	0.997	-0.061	1.029	-0.003	-0.006	-0.33	-0.18
6	10.833	0.000	-2.958	1.052	1085.0	1401.6	538.7	83.3	1.024	0.980	0.999	0.039	0.979	-0.003	-0.019	-1.13	-0.19
7	11.166	0.000	-2.958	1.052	1087.0	1402.2	539.4	83.2	0.914	0.889	0.999	0.220	0.887	-0.003	-0.050	-3.20	-0.20
8	11.499	0.000	-2.958	1.053	1087.7	1402.9	540.0	83.2	0.883	0.862	0.998	0.272	0.858	-0.003	-0.091	-6.03	-0.20
9	11.832	0.000	-2.958	1.054	1088.7	1402.4	540.2	83.2	0.919	0.892	0.997	0.212	0.885	-0.002	-0.110	-7.09	-0.16
10	12.165	0.000	-2.958	1.054	1087.7	1402.2	540.2	83.2	1.118	1.049	0.998	-0.100	1.046	-0.004	-0.080	-4.39	-0.21
11	12.498	0.000	-2.958	1.052	1087.3	1401.1	539.2	83.1	1.185	1.100	0.996	-0.202	1.100	-0.005	-0.018	-0.93	-0.25
12	12.831	0.000	-2.958	1.052	1087.6	1401.3	539.4	83.2	1.184	1.099	0.994	-0.203	1.099	-0.005	0.000	0.00	-0.25
13	13.164	0.000	-2.958	1.055	1089.2	1403.1	540.8	83.0	1.103	1.037	0.993	-0.082	1.037	-0.004	-0.034	-1.32	-0.24
14	13.497	0.000	-2.958	1.051	1086.3	1401.4	538.9	83.0	1.071	1.015	0.994	-0.038	1.015	-0.004	-0.039	-1.62	-0.22
15	13.830	0.000	-2.958	1.051	1086.6	1400.5	538.6	83.1	1.110	1.045	0.999	-0.091	1.045	-0.004	-0.022	-1.20	-0.22
16	14.163	0.000	-2.958	1.054	1088.5	1403.5	540.7	83.0	1.122	1.052	0.997	-0.107	1.052	-0.004	-0.016	-0.89	-0.23
17	14.496	0.000	-2.958	1.053	1087.6	1403.1	540.1	83.0	1.129	1.058	0.996	-0.120	1.058	-0.004	-0.012	-0.63	-0.23
18	14.829	0.000	-2.958	1.050	1085.2	1401.8	538.5	83.0	1.118	1.052	0.996	-0.109	1.052	-0.003	-0.012	-0.86	-0.15
19	15.162	0.000	-2.958	1.050	1085.5	1401.4	538.6	82.8	1.123	1.056	0.997	-0.115	1.056	-0.003	-0.010	-0.53	-0.17
20	15.495	0.000	-2.958	1.052	1087.0	1402.4	539.7	82.8	1.128	1.058	0.996	-0.127	1.058	-0.003	-0.006	-0.34	-0.17
21	15.828	0.000	-2.958	1.053	1088.1	1401.4	539.8	82.8	1.134	1.062	0.996	-0.146	1.062	-0.003	-0.002	-0.10	-0.15
22	16.161	0.000	-2.958	1.053	1084.6	1401.2	538.2	82.8	1.142	1.071	0.996	-0.171	1.071	-0.002	0.005	0.45	-0.12
23	16.494	0.000	-2.958	1.052	1086.6	1401.2	539.0	82.9	1.152	1.076	0.995	-0.156	1.076	-0.002	0.010	0.56	-0.11
24	16.827	0.000	-2.958	1.053	1086.0	1402.1	540.0	82.9	1.152	1.074	0.994	-0.154	1.074	-0.001	0.012	0.62	-0.05
26	17.160	0.000	-2.958	1.052	1086.7	1402.3	539.5	82.9	1.137	1.065	0.993	-0.138	1.065	-0.002	0.006	0.34	-0.10
27	17.493	0.000	-2.958	1.051	1085.7	1401.7	538.8	82.9	1.159	1.082	0.995	-0.168	1.082	-0.003	0.020	1.07	-0.15
28	17.826	0.000	-2.958	1.052	1086.8	1401.6	539.2	83.1	1.267	1.158	0.995	-0.316	1.152	-0.003	0.125	8.21	-0.17
29	18.159	0.000	-2.958	1.049	1084.9	1402.5	538.7	83.1	1.259	1.155	0.983	-0.321	1.150	-0.005	0.112	5.57	-0.14
30	18.492	0.000	-2.958	1.051	1086.0	1402.0	539.0	83.1	1.246	1.144	0.980	-0.304	1.139	-0.003	0.107	5.34	-0.17
31	18.825	0.000	-2.958	1.052	1087.1	1401.8	539.3	83.2	1.164	1.085	0.980	-0.190	1.083	-0.004	0.060	3.16	-0.22
32	19.158	0.000	-2.958	1.054	1088.4	1401.5	539.8	83.1	1.136	1.061	0.992	-0.131	1.060	-0.003	0.042	2.26	-0.17
34	19.491	0.000	-2.958	1.054	1089.1	1401.3	540.1	83.1	1.083	1.022	0.995	-0.049	1.031	-0.001	0.038	1.56	-0.05

DATE 9-MAR-78 PROJECT NO PAIC-NOC

ADD, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 842 2.996 0.00 25 SURVEY ALFAS

1304

0.01

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 41

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	-0.750	-2.208	1.050	1085.5	1400.1	538.0	83.0	1.086	1.027	0.999	-0.056	1.027	-0.004	-0.005	-0.29	-0.22
2	11.167	-0.750	-2.208	1.052	1087.2	1402.4	539.6	83.1	0.908	0.884	0.999	0.231	0.883	-0.042	-0.015	-0.95	-2.73
3	12.500	-0.750	-2.208	1.050	1085.0	1400.9	538.1	83.0	1.164	1.087	0.997	-0.176	1.086	-0.008	-0.042	-2.20	-0.42
4	13.833	-0.750	-2.208	1.053	1087.6	1400.8	539.2	83.0	1.105	1.040	0.996	-0.086	1.040	-0.017	-0.025	-1.53	-0.92
5	15.166	-0.750	-2.208	1.050	1085.5	1401.2	538.5	83.0	1.113	1.048	0.997	-0.099	1.048	-0.013	-0.016	-0.90	-0.70
6	16.499	-0.750	-2.208	1.051	1085.9	1401.7	538.9	82.8	1.135	1.064	0.992	-0.137	1.064	-0.004	0.025	-1.34	-0.22
7	17.832	-0.750	-2.208	1.051	1086.0	1401.7	538.4	82.8	1.303	1.183	0.994	-0.384	1.179	0.100	0.037	1.81	4.86
8	19.165	-0.750	-2.208	1.052	1087.1	1401.9	539.4	83.0	1.083	1.024	0.992	-0.058	1.024	0.021	0.009	0.52	1.17
9	20.498	-0.750	-2.208	1.053	1088.1	1402.1	540.0	82.9	1.089	1.027	0.998	-0.056	1.027	0.022	0.009	0.58	1.34

DATE 9-MAR-76 PROJECT NO P41C-NOC

APU, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 849 3.000 2.00

DATE 2-22-78

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
8	9.834	0.750	-2.208	1.052	1086.8	1401.5	539.2	83.0	1.088	1.028	0.997	-0.060	1.028	0.004	0.021	1.15	0.22
9	10.167	0.750	-2.208	1.053	1087.7	1402.5	540.0	83.0	1.081	1.021	0.997	-0.046	1.021	0.004	0.021	1.16	0.25
10	10.500	0.750	-2.208	1.053	1087.6	1401.9	539.7	83.0	1.057	1.004	0.997	-0.011	1.004	0.006	0.015	0.95	0.33
11	10.833	0.750	-2.208	1.049	1084.4	1402.3	538.4	83.0	0.985	0.950	0.958	0.098	0.950	0.014	0.006	0.38	0.82
12	11.166	0.750	-2.208	1.050	1085.6	1402.3	539.0	83.0	0.896	0.875	0.998	0.246	0.874	0.044	0.002	0.16	2.18
13	11.499	0.750	-2.208	1.051	1086.5	1402.6	539.5	83.0	0.871	0.853	0.998	0.290	0.849	0.084	0.000	0.02	5.83
14	11.832	0.750	-2.208	1.052	1086.8	1402.2	539.4	83.0	0.904	0.880	0.998	0.237	0.874	0.102	-0.002	-0.15	6.27
15	12.165	0.750	-2.208	1.052	1087.1	1402.3	539.6	83.0	1.099	1.036	0.998	-0.074	1.034	0.069	-0.007	-0.40	3.63
16	12.498	0.750	-2.208	1.053	1088.2	1402.1	540.0	83.0	1.149	1.072	0.997	-0.147	1.072	0.007	-0.020	-1.09	0.35
17	12.831	0.750	-2.208	1.053	1088.2	1401.8	539.9	83.0	1.099	1.035	0.996	-0.075	1.034	0.006	-0.041	-2.26	0.33
18	13.164	0.750	-2.208	1.051	1086.4	1402.2	539.3	83.0	1.051	1.000	0.996	-0.005	0.999	0.017	-0.041	-2.34	1.00
19	13.497	0.750	-2.208	1.050	1085.4	1403.3	539.3	83.0	1.065	1.012	0.997	-0.026	1.011	0.017	-0.029	-1.84	0.93
20	13.830	0.750	-2.208	1.051	1086.1	1402.0	539.0	83.0	1.071	1.015	0.997	-0.034	1.015	0.013	-0.018	-1.02	0.75
21	14.163	0.750	-2.208	1.052	1087.0	1401.2	539.1	83.0	1.073	1.016	0.998	-0.035	1.016	0.011	-0.013	-0.73	0.61
22	14.496	0.750	-2.208	1.054	1088.4	1403.2	540.5	83.0	1.077	1.018	0.997	-0.040	1.018	0.010	-0.011	-0.45	0.54
23	14.829	0.750	-2.208	1.054	1088.9	1401.0	539.9	83.0	1.082	1.021	0.997	-0.045	1.021	0.009	-0.010	-0.53	0.52
24	15.162	0.750	-2.208	1.045	1084.8	1400.9	538.1	83.0	1.089	1.030	0.998	-0.063	1.030	0.009	-0.006	-0.32	0.47
25	15.495	0.750	-2.208	1.052	1086.7	1402.6	539.5	83.0	1.103	1.040	0.998	-0.081	1.040	0.005	0.003	0.15	0.30
26	15.828	0.750	-2.208	1.054	1088.5	1402.9	540.5	83.0	1.117	1.048	0.997	-0.100	1.048	0.002	0.016	0.90	0.12
27	16.161	0.750	-2.208	1.052	1087.4	1400.0	538.8	83.0	1.121	1.052	0.996	-0.108	1.052	-0.001	0.029	1.54	-0.06
29	16.544	0.750	-2.208	1.052	1086.7	1401.7	539.2	83.0	1.106	1.042	0.995	-0.090	1.041	-0.000	0.029	1.82	-0.01
30	16.827	0.750	-2.208	1.051	1086.0	1402.9	539.4	83.0	1.107	1.043	0.997	-0.090	1.043	0.003	0.024	1.12	0.16
31	17.160	0.750	-2.208	1.052	1087.2	1402.4	539.7	83.0	1.118	1.050	0.997	-0.103	1.050	0.007	0.025	1.37	0.37
32	17.493	0.750	-2.208	1.053	1087.4	1401.2	539.4	82.8	1.152	1.075	0.997	-0.152	1.074	-0.009	0.033	1.78	-0.50
33	17.826	0.750	-2.208	1.050	1085.4	1399.7	537.9	82.9	1.250	1.148	0.994	-0.296	1.144	-0.072	0.053	2.63	-3.55
34	18.159	0.750	-2.208	1.051	1086.1	1400.9	538.7	82.9	1.260	1.154	0.985	-0.318	1.150	-0.078	0.059	2.93	-3.90
35	18.492	0.750	-2.208	1.053	1087.6	1401.0	539.3	83.0	1.244	1.141	0.981	-0.297	1.138	-0.052	0.064	3.24	-2.61
36	18.825	0.750	-2.208	1.050	1085.5	1402.8	539.1	83.0	1.109	1.045	0.986	-0.107	1.044	-0.024	0.039	2.15	-1.30
37	19.158	0.750	-2.208	1.051	1086.5	1403.1	539.7	83.0	1.074	1.017	0.994	-0.041	1.016	-0.022	0.031	1.77	-1.25
38	19.491	0.750	-2.208	1.052	1087.2	1401.7	539.4	83.0	1.075	1.017	0.998	-0.037	1.017	-0.017	0.026	1.56	-0.97

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART RX10-6 ALFA CONFIG

TC-332 853 3.000 2.00 25

SURVEY ALFAS
1302 1.98

DATE
2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AL	S/L
1	9.834	0.000	-3.708	1.048	1083.8	1401.8	538.0	82.8	1.125	1.058	0.997	-0.120	1.058	-0.004	0.035	1.90	-0.19
2	10.167	0.000	-3.708	1.053	1087.7	1400.7	539.3	82.9	1.107	1.042	0.998	-0.086	1.041	-0.003	0.035	1.91	-0.17
3	10.500	0.000	-3.708	1.052	1086.7	1400.9	538.9	83.0	1.098	1.035	0.998	-0.073	1.035	-0.003	0.030	1.94	-0.18
4	10.833	0.000	-3.708	1.052	1087.1	1401.7	539.4	83.0	1.035	0.987	0.998	0.024	0.987	-0.004	0.015	0.80	-0.21
5	11.166	0.000	-3.708	1.054	1088.3	1402.6	540.3	82.9	0.958	0.924	0.998	0.150	0.924	-0.003	-0.002	-0.19	-0.19
6	11.499	0.000	-3.708	1.055	1089.2	1402.7	540.8	82.8	0.940	0.908	0.998	0.150	0.908	-0.003	-0.019	-0.17	-0.16
7	11.832	0.000	-3.708	1.054	1088.2	1402.5	540.2	82.9	0.956	0.922	0.997	0.152	0.922	-0.003	-0.027	-1.72	-0.20
8	12.165	0.000	-3.708	1.050	1085.2	1400.2	538.0	82.8	1.040	0.992	0.998	0.014	0.992	-0.004	-0.024	-1.50	-0.22
9	12.498	0.000	-3.708	1.051	1086.3	1402.6	539.5	82.8	1.108	1.043	0.998	-0.089	1.043	-0.004	-0.006	-0.35	-0.19
10	12.831	0.000	-3.708	1.052	1087.0	1402.2	539.5	83.0	1.146	1.071	0.998	-0.144	1.071	-0.003	0.016	0.87	-0.12
11	13.164	0.000	-3.708	1.053	1087.6	1401.8	539.6	83.0	1.117	1.049	0.995	-0.104	1.049	-0.003	0.007	0.37	-0.13
12	13.497	0.000	-3.708	1.051	1085.9	1402.9	539.3	83.0	1.058	1.006	0.996	-0.016	1.006	-0.003	-0.005	-0.28	-0.15
13	13.830	0.000	-3.708	1.049	1084.7	1403.1	538.9	82.9	1.058	1.007	0.996	-0.019	1.007	-0.003	-0.002	-0.12	-0.18
14	14.163	0.000	-3.708	1.049	1084.5	1401.0	538.0	82.8	1.082	1.026	0.998	-0.054	1.026	-0.003	0.003	0.13	-0.15
15	14.496	0.000	-3.708	1.050	1085.7	1402.4	539.0	83.0	1.090	1.031	0.997	-0.065	1.031	-0.003	0.006	0.33	-0.17
16	14.829	0.000	-3.708	1.051	1086.5	1401.9	539.2	83.0	1.066	1.027	0.997	-0.057	1.026	-0.002	0.005	0.33	-0.13
17	15.162	0.000	-3.708	1.052	1087.3	1401.5	539.4	83.0	1.078	1.020	0.997	-0.043	1.020	-0.003	0.006	0.32	-0.14
18	15.495	0.000	-3.708	1.055	1089.0	1401.7	540.4	82.7	1.086	1.024	0.997	-0.052	1.024	-0.003	0.008	0.43	-0.14
19	15.828	0.000	-3.708	1.052	1086.7	1401.9	539.4	82.8	1.092	1.031	0.997	-0.065	1.031	-0.003	0.012	0.97	-0.15
20	16.161	0.000	-3.708	1.052	1087.0	1400.7	539.0	82.9	1.105	1.041	0.998	-0.084	1.041	-0.002	0.018	0.94	-0.12
21	16.494	0.000	-3.708	1.054	1088.3	1401.9	540.1	82.8	1.121	1.051	0.997	-0.105	1.051	-0.002	0.025	1.34	-0.10
22	16.827	0.000	-3.708	1.050	1085.3	1400.6	538.1	83.0	1.129	1.060	0.998	-0.122	1.060	-0.003	0.028	1.30	-0.14
23	17.160	0.000	-3.708	1.052	1087.2	1402.6	539.6	83.0	1.116	1.049	0.996	-0.102	1.049	-0.003	0.023	1.26	-0.15
24	17.493	0.000	-3.708	1.053	1087.7	1400.1	539.1	82.9	1.109	1.043	0.996	-0.090	1.043	-0.003	0.023	1.24	-0.17
25	17.826	0.000	-3.708	1.051	1086.0	1400.5	538.6	82.7	1.125	1.057	0.997	-0.116	1.057	-0.003	0.031	1.71	-0.17
26	18.159	0.000	-3.708	1.052	1086.9	1399.2	538.4	82.7	1.165	1.085	0.997	-0.172	1.084	-0.003	0.057	3.02	-0.17
27	18.492	0.000	-3.708	1.054	1088.6	1400.2	539.6	82.7	1.207	1.114	0.994	-0.232	1.111	-0.003	0.085	4.34	-0.17
28	18.825	0.000	-3.708	1.050	1085.3	1400.6	538.2	82.9	1.175	1.095	0.994	-0.194	1.090	-0.003	0.085	4.34	-0.17
29	19.158	0.000	-3.708	1.051	1086.1	1400.2	538.5	82.7	1.135	1.064	0.992	-0.130	1.062	-0.003	0.088	3.55	-0.14
30	19.491	0.000	-3.708	1.054	1088.8	1403.0	540.7	82.9	1.066	1.009	0.989	-0.032	1.008	-0.002	0.047	2.67	-0.12

DATE 9-4-78 PROJECT NO P41C-N0C

AFC, INC.

AFC DIVISION

A STEADY STATE CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-00 ALPHA CONFIG

TC-532 854 2.999 2.00 25 SURVEY ALFAS 1303 1.99

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	9.434	0.000	-2.958	1.047	1082.5	1402.3	537.6	83.0	1.123	1.058	0.997	-0.120	1.058	-0.003	0.031	1.69	-0.19
4	10.167	0.000	-2.958	1.053	1087.3	1402.3	539.8	82.9	1.095	1.033	0.998	-0.068	1.033	-0.003	0.028	1.53	-0.19
5	10.500	0.000	-2.958	1.054	1088.9	1402.1	539.4	83.0	1.063	1.007	0.998	-0.017	1.007	-0.003	0.023	1.12	-0.19
6	10.833	0.000	-2.958	1.053	1087.5	1401.4	539.4	83.0	0.991	0.951	0.998	0.096	0.951	-0.003	0.006	0.34	-0.20
7	11.166	0.000	-2.958	1.053	1087.5	1400.5	539.1	83.0	0.900	0.876	0.999	0.245	0.876	-0.003	-0.028	-1.40	-0.22
8	11.499	0.000	-2.958	1.054	1088.2	1400.4	539.4	82.9	0.875	0.855	0.999	0.285	0.852	-0.004	-0.066	-4.46	-0.23
10	11.832	0.000	-2.958	1.051	1086.6	1400.8	538.8	83.0	0.909	0.885	0.998	0.227	0.881	-0.005	-0.088	-5.69	-0.23
11	12.165	0.000	-2.958	1.051	1086.0	1400.5	538.5	82.8	1.104	1.041	0.999	-0.083	1.039	-0.004	-0.057	-3.14	-0.23
12	12.498	0.000	-2.958	1.053	1087.3	1401.7	539.0	82.8	1.168	1.087	0.997	-0.176	1.087	-0.004	0.002	0.11	-0.23
13	12.831	0.000	-2.958	1.054	1088.5	1403.4	540.7	82.9	1.152	1.074	0.994	-0.155	1.074	-0.004	0.009	0.47	-0.21
14	13.164	0.000	-2.958	1.049	1084.0	1400.9	537.7	82.5	1.054	1.004	0.994	-0.016	1.004	-0.003	-0.011	0.65	-0.22
17	13.497	0.000	-2.958	1.049	1084.1	1401.2	537.9	82.9	1.045	0.997	0.996	-0.001	0.997	-0.004	-0.013	0.76	-0.22
18	13.830	0.000	-2.958	1.050	1085.2	1402.8	539.1	82.7	1.083	1.025	0.997	-0.053	1.025	-0.004	-0.008	0.44	-0.22
19	14.163	0.000	-2.958	1.051	1085.8	1400.3	538.4	82.7	1.091	1.031	0.997	-0.064	1.031	-0.004	-0.004	0.21	-0.20
20	14.496	0.000	-2.958	1.052	1086.4	1406.4	538.7	82.7	1.092	1.031	0.998	-0.065	1.031	-0.004	-0.001	0.07	-0.20
21	14.829	0.000	-2.958	1.054	1088.3	1400.5	539.5	82.8	1.086	1.025	0.997	-0.053	1.025	-0.003	-0.002	0.12	-0.19
22	15.162	0.000	-2.958	1.050	1085.3	1401.1	538.4	82.8	1.092	1.032	0.998	-0.067	1.032	-0.003	0.000	0.02	-0.19
23	15.495	0.000	-2.958	1.052	1086.6	1402.5	539.5	82.9	1.100	1.037	0.997	-0.077	1.037	-0.003	0.004	0.19	-0.15
24	15.828	0.000	-2.958	1.052	1086.9	1401.1	539.1	82.9	1.107	1.042	0.997	-0.088	1.042	-0.003	0.009	0.47	-0.15
25	16.161	0.000	-2.958	1.051	1086.0	1401.2	538.7	83.0	1.118	1.052	0.998	-0.106	1.052	-0.002	0.015	0.79	-0.10
26	16.494	0.000	-2.958	1.050	1085.5	1402.8	539.1	83.0	1.123	1.056	0.996	-0.116	1.056	-0.001	0.017	0.93	-0.06
27	16.827	0.000	-2.958	1.052	1086.7	1401.1	539.0	82.9	1.113	1.047	0.996	-0.098	1.047	-0.002	0.016	0.90	-0.09
28	17.160	0.000	-2.958	1.053	1088.2	1402.8	540.3	83.0	1.106	1.040	0.996	-0.085	1.040	-0.002	0.015	0.83	-0.14
29	17.493	0.000	-2.958	1.052	1086.6	1402.1	539.3	83.0	1.138	1.066	0.997	-0.134	1.065	-0.003	0.030	1.62	-0.18
30	17.826	0.000	-2.958	1.053	1088.0	1402.6	540.1	83.0	1.242	1.140	0.996	-0.279	1.133	-0.004	0.124	6.25	-0.20
31	18.159	0.000	-2.958	1.052	1086.6	1402.5	539.5	83.0	1.239	1.139	0.986	-0.287	1.133	-0.005	0.115	5.82	-0.23
32	18.492	0.000	-2.958	1.052	1086.8	1400.9	538.9	83.0	1.223	1.128	0.985	-0.268	1.123	-0.005	0.107	5.43	-0.26
33	18.825	0.000	-2.958	1.054	1088.3	1401.7	540.0	82.9	1.149	1.072	0.984	-0.162	1.070	-0.003	0.067	3.58	-0.16
34	19.158	0.000	-2.958	1.053	1087.6	1403.0	540.1	83.0	1.088	1.027	0.993	-0.062	1.025	-0.002	0.060	3.33	-0.10
35	19.491	0.000	-2.958	1.054	1088.3	1402.0	540.1	82.9	1.069	1.012	0.997	-0.029	1.011	-0.001	0.045	2.56	-0.06

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PAST REX10-6 ALFA

TC-532 855 3.004 2.00

CONFIG 25 VM 1304 SURVEY ALFAS 1.99

DATE 2-22-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	H	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SPL
1	9.834	-0.750	-2.208	1.053	1088.1	1403.1	540.4	83.0	1.088	1.027	0.997	-0.058	1.027	-0.011	0.021	1.19	-0.61
3	11.167	-0.750	-2.208	1.050	1085.6	1401.2	538.6	82.9	0.893	0.872	0.998	0.253	0.871	-0.052	0.007	0.44	-3.39
4	12.500	-0.750	-2.208	1.049	1084.4	1402.0	538.3	82.9	1.148	1.076	0.998	-0.153	1.075	-0.012	-0.021	-1.10	-0.61
5	13.833	-0.750	-2.208	1.051	1086.1	1402.3	539.2	82.9	1.074	1.018	0.998	-0.038	1.017	-0.012	-0.014	-0.78	-0.99
8	15.166	-0.750	-2.208	1.049	1084.7	1402.5	538.7	82.9	1.089	1.031	0.998	-0.065	1.031	-0.013	-0.004	-0.24	-0.71
9	16.499	-0.750	-2.208	1.055	1089.2	1402.0	540.4	83.0	1.110	1.043	0.995	-0.091	1.042	-0.003	0.029	1.60	-0.17
10	17.832	-0.750	-2.208	1.053	1087.5	1402.5	539.9	83.0	1.272	1.161	0.994	-0.321	1.157	0.024	0.052	2.59	4.17
11	19.165	-0.750	-2.208	1.049	1084.7	1401.8	538.3	83.0	1.086	1.028	0.997	-0.061	1.028	0.028	0.031	1.75	1.56
12	20.498	-0.750	-2.208	1.054	1088.6	1401.8	540.1	83.0	1.085	1.024	0.998	-0.050	1.024	0.013	0.025	1.37	0.72

DATE 9-MAR-78 PROJECT NO P41C-H0C

AEC, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 85b

CONFIG 25

SURVEY 1301

ALFAS 5.01

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

DATE

2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AL	SL
9	9.834	0.750	-2.208	1.051	1086.4	1401.5	539.0	83.0	1.095	1.034	0.997	-0.070	1.032	0.015	0.060	3.31	0.85
10	10.167	0.750	-2.208	1.053	1087.4	1403.7	540.3	82.9	1.086	1.026	0.997	-0.055	1.024	0.017	0.056	3.27	0.93
11	10.500	0.750	-2.208	1.053	1087.2	1398.8	538.8	82.7	1.030	0.983	0.997	0.031	0.981	0.020	0.048	2.85	1.15
12	10.833	0.750	-2.208	1.049	1083.9	1399.0	537.0	82.7	0.933	0.907	0.997	0.031	0.906	0.029	0.041	2.51	1.52
13	11.166	0.750	-2.208	1.049	1084.0	1399.0	537.1	82.7	0.873	0.857	0.998	0.282	0.854	0.060	0.035	2.32	4.00
14	11.499	0.750	-2.208	1.050	1085.0	1400.5	538.0	83.0	0.861	0.846	0.998	0.305	0.840	0.066	0.032	2.18	6.19
15	11.832	0.750	-2.208	1.051	1085.7	1401.5	538.7	82.9	0.898	0.876	0.998	0.244	0.869	0.107	0.029	1.93	7.34
16	12.165	0.750	-2.208	1.051	1085.7	1399.4	538.0	82.7	1.089	1.030	0.998	-0.061	1.027	0.068	0.025	1.41	3.79
17	12.498	0.750	-2.208	1.052	1087.0	1401.4	539.3	82.8	1.118	1.051	0.998	-0.103	1.050	0.018	0.008	0.43	0.96
18	12.831	0.750	-2.208	1.053	1088.0	1402.6	540.2	82.9	1.013	0.969	0.997	0.059	0.968	0.024	-0.011	-0.65	1.44
19	13.164	0.750	-2.208	1.053	1087.2	1399.9	538.9	82.7	0.971	0.936	0.998	0.126	0.935	0.025	-0.009	-0.55	1.33
20	13.497	0.750	-2.208	1.054	1088.2	1400.1	539.4	82.7	1.003	0.960	0.998	0.077	0.960	0.023	-0.004	-0.22	1.50
21	13.830	0.750	-2.208	1.049	1084.6	1401.6	539.3	82.8	1.025	0.981	0.998	0.036	0.981	0.018	0.002	0.14	1.95
22	14.163	0.750	-2.208	1.051	1085.6	1402.1	539.0	82.9	1.025	0.980	0.998	0.027	0.980	0.015	0.006	0.34	0.98
23	14.496	0.750	-2.208	1.051	1085.7	1400.1	538.3	82.9	1.014	0.971	0.998	0.056	0.971	0.013	0.007	0.41	0.71
24	14.829	0.750	-2.208	1.052	1087.1	1401.3	539.3	82.9	1.022	0.976	0.999	0.046	0.976	0.012	0.008	0.49	0.71
25	15.162	0.750	-2.208	1.054	1088.3	1402.5	540.3	82.9	1.033	0.984	0.997	0.028	0.984	0.010	0.011	0.66	0.61
26	15.495	0.750	-2.208	1.051	1085.9	1401.9	538.9	83.0	1.048	0.998	0.998	0.002	0.997	0.006	0.021	1.20	0.36
27	15.828	0.750	-2.208	1.052	1086.9	1402.0	539.4	82.9	1.064	1.009	0.998	-0.022	1.009	0.001	0.030	1.73	0.05
28	16.161	0.750	-2.208	1.053	1087.5	1400.8	539.2	82.9	1.070	1.014	0.998	-0.030	1.013	-0.003	0.040	2.25	-0.19
29	16.494	0.750	-2.208	1.053	1087.9	1400.3	539.2	82.9	1.059	1.005	0.998	-0.012	1.004	-0.001	0.042	2.58	-0.63
30	16.827	0.750	-2.208	1.050	1085.1	1402.4	538.7	83.0	1.049	1.000	0.994	-0.002	0.999	0.003	0.042	2.43	0.13
31	17.160	0.750	-2.208	1.052	1086.5	1402.5	539.5	82.9	1.065	1.011	0.997	-0.024	1.010	0.006	0.044	2.52	0.37
32	17.493	0.750	-2.208	1.052	1087.1	1400.7	539.0	82.9	1.134	1.062	0.998	-0.127	1.061	-0.019	0.053	2.84	-1.01
33	17.826	0.750	-2.208	1.050	1085.1	1399.1	537.6	82.7	1.206	1.117	0.997	-0.234	1.113	-0.069	0.063	3.52	-3.55
34	18.159	0.750	-2.208	1.051	1085.7	1400.7	538.5	82.7	1.200	1.112	0.990	-0.232	1.107	-0.070	0.076	3.90	-3.62
35	18.492	0.750	-2.208	1.051	1086.1	1399.8	538.3	82.7	1.154	1.078	0.989	-0.167	1.075	-0.047	0.067	3.56	-7.52
36	18.825	0.750	-2.208	1.054	1088.2	1400.5	539.5	82.7	1.093	1.034	0.992	-0.070	1.028	-0.029	0.056	3.13	-1.63
37	19.158	0.750	-2.208	1.051	1086.2	1401.2	538.9	82.8	1.083	1.024	0.997	-0.052	1.023	-0.016	0.052	2.89	-0.50
38	19.491	0.750	-2.208	1.051	1085.9	1400.7	538.5	82.9	1.077	1.020	0.998	-0.043	1.019	-0.009	0.049	2.76	-0.53

DATE 9-MAR-76 PROJECT NO PAIC-WOC

APC, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APOLLO AIR FORCE STATION, TENNESSEE

TEST PART HEX10-6 ALFA CONFIG

TC-532 857 2.994 5.00 25

SURVEY ALFA 1302 5.01

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VVL/VM	FTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.634	0.000	-3.708	1.048	1053.5	1399.5	537.0	82.9	1.120	1.055	0.998	-0.113	1.052	-0.003	0.062	4.47	-0.15
2	10.167	0.000	-3.708	1.050	1045.2	1402.0	538.6	83.0	1.115	1.050	0.997	-0.103	1.047	-0.003	0.081	4.53	-0.17
3	10.500	0.000	-3.704	1.051	1045.9	1401.8	539.0	82.8	1.097	1.035	0.997	-0.074	1.033	-0.003	0.074	4.12	-0.17
4	10.833	0.000	-3.708	1.051	1046.2	1399.8	538.4	82.7	1.024	0.979	0.996	0.038	0.977	-0.003	0.056	3.28	-0.19
5	11.166	0.000	-3.708	1.052	1046.4	1400.3	538.7	82.7	0.944	0.914	0.994	0.170	0.913	-0.003	0.037	2.32	-0.21
6	11.499	0.000	-3.708	1.053	1047.7	1401.4	539.7	82.7	0.926	0.898	0.998	0.201	0.898	-0.003	0.021	1.37	-0.20
7	11.832	0.000	-3.708	1.054	1048.3	1400.2	539.5	82.7	0.933	0.903	0.998	0.191	0.903	-0.003	0.011	0.69	-0.20
8	12.165	0.000	-3.708	1.054	1048.2	1398.8	538.9	82.7	0.995	0.954	0.998	0.091	0.954	-0.003	0.013	0.76	-0.16
9	12.498	0.000	-3.708	1.050	1045.4	1400.5	538.3	82.8	1.087	1.028	0.999	-0.058	1.028	-0.004	0.032	1.77	-0.12
10	12.831	0.000	-3.708	1.050	1045.3	1394.9	537.6	82.7	1.063	1.010	0.998	-0.022	1.009	-0.004	0.034	1.90	-0.10
11	13.164	0.000	-3.708	1.051	1046.2	1401.7	539.1	82.8	0.989	0.951	0.997	0.094	0.951	-0.003	0.028	1.86	-0.20
12	13.497	0.000	-3.708	1.053	1047.7	1402.1	539.8	82.9	0.980	0.943	0.996	0.109	0.942	-0.004	0.025	1.54	-0.21
13	13.830	0.000	-3.708	1.053	1047.5	1400.4	539.1	83.0	1.003	0.961	0.998	0.076	0.960	-0.004	0.024	1.54	-0.21
14	14.163	0.000	-3.708	1.054	1048.4	1401.7	540.0	82.9	1.022	0.975	0.998	0.048	0.975	-0.004	0.025	1.75	-0.21
15	14.496	0.000	-3.708	1.051	1046.4	1401.9	539.2	82.9	1.019	0.975	0.997	0.047	0.974	-0.004	0.025	1.57	-0.21
16	14.829	0.000	-3.708	1.052	1046.6	1401.3	539.0	83.0	1.015	0.972	0.998	0.054	0.971	-0.004	0.026	1.51	-0.21
17	15.162	0.000	-3.708	1.052	1046.5	1399.4	538.4	82.7	1.019	0.974	0.999	0.049	0.974	-0.003	0.027	1.50	-0.20
18	15.495	0.000	-3.708	1.051	1046.2	1400.4	538.6	82.7	1.032	0.985	0.999	0.029	0.984	-0.003	0.029	1.70	-0.19
19	15.828	0.000	-3.708	1.048	1043.4	1400.3	537.3	82.7	1.032	0.987	0.998	0.022	0.987	-0.003	0.035	2.04	-0.17
20	16.161	0.000	-3.708	1.050	1045.1	1400.2	538.0	82.8	1.034	0.986	0.997	0.021	0.987	-0.003	0.034	2.21	-0.15
21	16.494	0.000	-3.708	1.052	1046.6	1402.4	539.4	83.0	1.036	0.988	0.998	0.021	0.987	-0.003	0.039	2.29	-0.16
22	16.827	0.000	-3.708	1.053	1047.8	1401.2	539.5	82.9	1.030	0.982	0.998	0.034	0.981	-0.003	0.040	2.36	-0.18
23	17.160	0.000	-3.708	1.053	1049.1	1400.7	540.0	82.8	1.028	0.979	0.997	0.037	0.978	-0.003	0.042	2.44	-0.17
24	17.493	0.000	-3.708	1.052	1046.7	1400.8	538.9	82.9	1.054	1.001	0.999	-0.005	1.000	-0.003	0.048	2.74	-0.16
25	17.826	0.000	-3.708	1.055	1049.0	1402.9	540.7	82.9	1.096	1.032	0.997	-0.067	1.030	-0.003	0.062	3.43	-0.15
26	18.159	0.000	-3.708	1.051	1046.2	1399.3	538.2	82.7	1.137	1.065	0.997	-0.132	1.061	-0.003	0.087	4.67	-0.19
27	18.492	0.000	-3.708	1.053	1047.5	1399.0	538.6	82.7	1.156	1.078	0.996	-0.159	1.073	-0.003	0.102	5.82	-0.17
28	18.825	0.000	-3.708	1.050	1045.1	1394.2	537.6	82.7	1.148	1.075	0.994	-0.156	1.070	-0.003	0.099	5.26	-0.17
29	19.158	0.000	-3.708	1.052	1046.6	1401.1	539.0	82.8	1.083	1.024	0.993	-0.056	1.021	-0.003	0.074	4.13	-0.16
30	19.491	0.000	-3.708	1.053	1048.2	1402.4	540.1	83.0	1.057	1.002	0.995	-0.011	1.000	-0.003	0.064	3.65	-0.16

DATE 9-MAR-78 PROJECT NO P41C-NOC										AEDC PROPULSION WIND TUNNEL									
ARO, INC.										TRANSONIC 4T									
AEDC DIVISION										DATE									
A SVERDRUP CORPORATION COMPANY										2-22-78									
PROPULSION WIND TUNNEL																			
AROLD AIR FORCE STATION, TENNESSEE																			
TEST PAPT REX10-6 ALFA																			
IC-532 858 2.998 5.00																			
CONFIG 25																			
SURVEY ALFAS 5.01																			
1303																			
POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL		
1	9.834	0.000	-2.958	1.050	1085.2	1401.2	538.3	83.0	1.115	1.050	0.997	-0.103	1.047	-0.003	0.074	4.54	-0.16		
2	10.167	0.000	-2.958	1.052	1087.1	1401.9	539.5	82.9	1.104	1.039	0.998	-0.082	1.037	-0.004	0.073	4.52	-0.19		
3	10.500	0.000	-2.958	1.053	1088.0	1402.7	540.2	82.9	1.054	1.001	0.997	-0.006	0.999	-0.004	0.057	3.59	-0.21		
4	10.833	0.000	-2.958	1.052	1087.0	1402.0	539.4	83.0	0.943	0.913	0.998	0.172	0.912	-0.004	0.039	2.16	-0.22		
5	11.166	0.000	-2.958	1.053	1087.8	1402.5	540.0	83.0	0.880	0.860	0.998	0.278	0.860	-0.004	0.062	0.14	-0.22		
6	11.499	0.000	-2.958	1.054	1089.1	1402.4	540.5	83.0	0.856	0.838	0.998	0.320	0.837	-0.004	-0.042	-2.88	-0.30		
7	11.832	0.000	-2.958	1.053	1087.5	1402.4	539.8	83.0	0.888	0.867	0.998	0.263	0.865	-0.005	-0.061	-4.03	-0.31		
8	12.165	0.000	-2.958	1.053	1087.2	1401.5	539.5	82.8	1.081	1.022	0.998	-0.047	1.022	-0.005	-0.027	-1.50	-0.27		
9	12.498	0.000	-2.958	1.054	1088.3	1400.8	539.7	82.7	1.127	1.056	0.997	-0.114	1.055	-0.005	0.021	1.16	-0.25		
10	12.831	0.000	-2.958	1.048	1081.3	1399.2	539.9	82.6	1.038	0.992	0.996	0.011	0.992	-0.004	0.016	0.94	-0.21		
11	13.164	0.000	-2.958	1.049	1084.4	1399.1	537.4	82.6	0.951	0.921	0.996	0.153	0.921	-0.003	0.003	0.49	-0.22		
12	13.497	0.000	-2.958	1.050	1085.2	1399.6	537.9	82.7	0.968	0.934	0.997	0.128	0.934	-0.004	0.006	0.35	-0.17		
13	13.830	0.000	-2.958	1.052	1086.9	1401.1	539.2	82.7	1.002	0.960	0.997	0.075	0.960	-0.005	0.007	0.34	-0.17		
14	14.163	0.000	-2.958	1.053	1087.4	1399.7	538.9	82.6	1.008	0.964	0.997	0.067	0.964	-0.004	0.008	0.49	-0.26		
15	14.496	0.000	-2.958	1.053	1087.5	1399.8	539.0	82.6	1.018	0.973	0.998	0.051	0.973	-0.004	0.011	0.85	-0.24		
16	14.829	0.000	-2.958	1.054	1088.1	1400.7	539.6	82.7	1.013	0.968	0.997	0.059	0.968	-0.004	0.011	0.84	-0.22		
17	15.162	0.000	-2.958	1.054	1088.7	1400.1	539.6	82.7	1.028	0.979	0.997	0.038	0.979	-0.004	0.014	0.82	-0.21		
18	15.495	0.000	-2.958	1.051	1086.4	1401.3	539.0	82.9	1.037	0.989	0.998	0.020	0.989	-0.003	0.017	0.99	-0.19		
19	15.828	0.000	-2.958	1.052	1086.5	1400.8	538.8	82.9	1.044	0.994	0.997	0.007	0.994	-0.003	0.023	1.33	-0.14		
20	16.161	0.000	-2.958	1.053	1087.5	1400.9	539.3	82.9	1.052	0.999	0.994	-0.001	0.999	-0.003	0.023	1.59	-0.14		
21	16.494	0.000	-2.958	1.050	1085.2	1402.0	539.7	82.8	1.041	0.993	0.998	0.012	0.982	-0.003	0.029	1.85	-0.18		
22	16.827	0.000	-2.958	1.052	1086.5	1401.4	539.1	82.8	1.034	0.986	0.997	0.023	0.986	-0.004	0.029	1.88	-0.20		
23	17.160	0.000	-2.958	1.053	1087.1	1398.4	538.3	82.6	1.042	0.992	0.998	0.013	0.992	-0.004	0.030	1.74	-0.21		
24	17.493	0.000	-2.958	1.050	1085.2	1399.8	538.0	82.6	1.114	1.049	0.997	-0.101	1.047	-0.003	0.039	3.21	-0.17		
25	17.826	0.000	-2.958	1.051	1085.7	1400.6	538.4	82.8	1.188	1.104	0.997	-0.209	1.097	-0.004	0.122	6.34	-0.19		
26	18.159	0.000	-2.958	1.052	1087.2	1401.3	539.3	82.9	1.167	1.101	0.991	-0.174	1.076	-0.004	0.130	6.78	-0.23		
27	18.492	0.000	-2.958	1.054	1088.2	1399.3	539.1	82.7	1.152	1.082	0.990	-0.102	1.076	-0.003	0.117	6.23	-0.17		
28	18.825	0.000	-2.958	1.051	1085.8	1400.7	538.6	82.7	1.111	1.046	0.992	-0.102	1.042	-0.003	0.095	5.21	-0.19		
29	19.158	0.000	-2.958	1.051	1086.1	1399.3	538.2	82.7	1.086	1.027	0.997	-0.056	1.024	-0.003	0.076	4.27	-0.14		
30	19.491	0.000	-2.958	1.054	1088.6	1401.1	539.9	82.8	1.082	1.022	0.997	-0.047	1.020	-0.002	0.066	3.70	-0.14		

DATE 9-MAR-78 PROJECT NO P41C-N0C

AFG, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 859 3.002 5.00 25 1304 5.00

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ASL	SXL
1	9.634	-0.750	-2.208	1.052	1086.6	1402.1	539.4	82.9	1.096	1.034	0.997	-0.071	1.032	-0.023	0.063	3.50	-1.27
3	11.167	-0.750	-2.208	1.054	1088.5	1401.2	539.9	82.8	0.868	0.848	0.998	0.300	0.845	-0.067	0.039	2.61	-1.53
4	12.500	-0.750	-2.208	1.052	1086.9	1401.6	539.4	82.9	1.111	1.045	0.997	-0.093	1.045	-0.025	0.010	0.53	-1.36
5	13.833	-0.750	-2.208	1.049	1084.7	1401.9	538.4	82.9	1.027	0.983	0.998	0.032	0.982	-0.021	0.008	0.54	-1.24
8	15.166	-0.750	-2.208	1.054	1088.2	1400.9	539.6	82.9	1.036	0.986	0.998	0.024	0.986	-0.014	0.014	0.82	-0.61
9	16.499	-0.750	-2.208	1.047	1082.9	1401.1	537.3	82.9	1.054	1.006	0.997	-0.015	1.005	-0.003	0.004	2.48	-0.17
10	17.832	-0.750	-2.208	1.049	1085.7	1401.9	538.4	82.9	1.209	1.119	0.995	-0.241	1.115	0.065	0.068	3.50	3.34
12	19.165	-0.750	-2.208	1.052	1086.3	1400.7	538.8	82.7	1.083	1.024	0.998	-0.051	1.023	0.014	0.051	2.56	0.73
14	20.498	-0.750	-2.208	1.051	1086.2	1400.0	538.5	82.6	1.091	1.030	0.998	-0.063	1.029	0.000	0.045	2.53	0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNO AIR FORCE STATION, TENNESSEE

TEST PACT REM-10-0 ALFA

TC-532 864 2.999 0.00

SURVEY ALFAS
1301 0.00

DATE
2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SRL
7	9.834	0.750	-2.208	1.104	1130.3	1388.0	551.9	82.7	1.151	1.033	0.994	-0.073	1.033	-0.003	-0.004	-0.20	-0.17
8	10.167	0.750	-2.208	1.103	1129.5	1389.3	552.2	82.7	1.144	1.029	0.994	-0.065	1.029	-0.002	-0.006	-0.34	-0.12
9	10.500	0.750	-2.208	1.103	1129.7	1390.3	552.6	82.9	1.132	1.021	0.995	-0.047	1.021	-0.002	-0.011	-0.61	-0.9
10	10.833	0.750	-2.208	1.101	1127.9	1389.0	551.5	82.6	1.081	0.985	0.995	0.024	0.985	0.004	-0.021	-1.21	0.26
11	11.166	0.750	-2.208	1.102	1128.7	1389.9	552.1	82.7	0.927	0.866	0.996	0.263	0.865	0.033	-0.020	-1.34	0.18
12	11.499	0.750	-2.208	1.102	1128.3	1387.7	551.1	82.7	0.885	0.833	0.997	0.331	0.829	0.074	-0.017	-1.21	5.7
13	11.832	0.750	-2.208	1.102	1128.3	1388.0	551.2	82.7	0.916	0.857	0.997	0.283	0.852	0.094	-0.018	-1.11	5.30
14	12.165	0.750	-2.208	1.102	1128.9	1389.9	552.2	82.8	1.109	1.005	0.997	-0.014	1.002	0.066	-0.023	-1.34	3.78
15	12.498	0.750	-2.208	1.103	1129.1	1388.8	551.8	82.7	1.164	1.044	0.996	-0.092	1.043	0.008	-0.036	-2.10	0.42
16	12.831	0.750	-2.208	1.103	1129.6	1389.7	552.4	82.6	1.128	1.017	0.993	-0.043	1.016	0.004	-0.039	-3.34	0.23
17	13.164	0.750	-2.208	1.103	1129.4	1388.6	551.9	82.6	1.087	0.988	0.993	0.015	0.987	0.016	-0.059	-3.45	0.55
18	13.497	0.750	-2.208	1.102	1128.3	1387.5	551.4	82.6	1.104	1.002	0.996	-0.008	1.001	0.016	-0.044	-2.52	0.91
19	13.830	0.750	-2.208	1.102	1128.1	1387.7	551.0	82.7	1.107	1.004	0.994	-0.015	1.003	0.013	-0.031	-1.75	0.75
20	14.163	0.750	-2.208	1.103	1129.1	1389.3	552.0	82.6	1.105	1.002	0.993	-0.011	1.001	0.011	-0.025	-1.43	0.52
21	14.496	0.750	-2.208	1.103	1129.1	1388.8	551.9	82.5	1.099	0.997	0.992	-0.003	0.995	0.010	-0.023	-1.32	0.57
22	14.829	0.750	-2.208	1.100	1126.9	1387.2	550.4	82.7	1.104	1.003	0.995	-0.012	1.003	0.009	-0.022	-1.23	0.51
23	15.162	0.750	-2.208	1.101	1128.0	1388.4	551.2	82.7	1.112	1.008	0.996	-0.021	1.008	0.008	-0.016	-1.00	0.47
24	15.495	0.750	-2.208	1.103	1129.1	1390.0	552.3	82.7	1.127	1.018	0.994	-0.043	1.018	0.007	-0.008	-0.44	0.37
25	15.828	0.750	-2.208	1.103	1129.0	1388.6	551.7	82.7	1.151	1.035	0.993	-0.077	1.035	0.003	0.013	0.70	0.15
26	16.161	0.750	-2.208	1.103	1129.4	1388.1	551.7	82.7	1.163	1.043	0.990	-0.096	1.043	0.000	0.032	1.76	0.02
27	16.494	0.750	-2.208	1.101	1127.9	1388.1	551.1	82.7	1.138	1.027	0.989	-0.065	1.027	0.003	0.023	1.29	0.15
28	16.827	0.750	-2.208	1.101	1127.5	1389.1	551.4	82.6	1.116	1.011	0.990	-0.034	1.011	0.002	0.014	0.79	0.11
29	17.160	0.750	-2.208	1.102	1128.8	1389.5	552.0	82.7	1.136	1.024	0.995	-0.053	1.024	0.004	0.012	0.67	0.21
30	17.493	0.750	-2.208	1.103	1129.2	1388.3	551.7	82.7	1.168	1.047	0.994	-0.099	1.046	-0.006	0.021	1.16	-0.12
31	17.826	0.750	-2.208	1.104	1130.0	1389.4	552.4	82.7	1.286	1.126	0.992	-0.254	1.121	-0.039	0.035	1.78	-5.55
32	18.159	0.750	-2.208	1.104	1130.4	1390.3	552.9	82.8	1.325	1.152	0.974	-0.317	1.147	-0.051	0.038	1.90	-4.54
33	18.492	0.750	-2.208	1.104	1130.3	1388.7	552.2	82.7	1.340	1.161	0.970	-0.338	1.157	-0.087	0.048	2.39	-4.31
34	18.825	0.750	-2.208	1.102	1128.2	1388.2	551.2	82.7	1.178	1.055	0.970	-0.140	1.054	0.005	0.032	1.72	0.26
35	19.158	0.750	-2.208	1.103	1129.5	1388.9	552.0	82.7	1.126	1.018	0.988	-0.050	1.018	0.002	0.009	0.51	0.99
36	19.491	0.750	-2.208	1.104	1129.8	1388.3	551.9	82.6	1.127	1.017	0.995	-0.040	1.017	-0.004	0.001	0.06	-0.25

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEC DIVISION

A STEADY STATE CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARACLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

IC-532 865 3.002 0.00 25

DATE 2-22-78

AEC PROPULSION WIND TUNNEL

TRANSONIC 41

SURVEY ALFAS

1302 0.00

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ASL	SAL
1	9.834	0.000	-3.708	1.099	1126.4	1390.4	551.4	82.7	1.167	1.049	0.995	-0.102	1.049	-0.003	0.006	0.31	-0.15
2	10.167	0.000	-3.708	1.100	1126.4	1389.0	550.9	82.7	1.158	1.042	0.994	-0.091	1.042	-0.003	0.004	0.22	-0.16
3	10.500	0.000	-3.708	1.100	1127.0	1387.2	550.4	82.6	1.151	1.037	0.995	-0.079	1.037	-0.003	0.004	0.21	-0.15
4	10.833	0.000	-3.706	1.102	1128.5	1389.4	551.8	82.7	1.137	1.025	0.994	-0.056	1.025	-0.003	0.001	0.04	-0.17
5	11.166	0.000	-3.708	1.102	1128.7	1388.6	551.6	82.6	1.028	0.944	0.996	0.106	0.944	-0.003	0.028	-1.72	-0.20
6	11.499	0.000	-3.708	1.103	1129.3	1389.1	552.0	82.7	0.956	0.849	0.996	0.219	0.849	-0.003	0.046	-2.94	-0.18
7	11.832	0.000	-3.708	1.103	1128.6	1388.3	551.0	82.5	0.978	0.906	0.997	0.185	0.906	-0.003	0.034	-3.41	-0.18
8	12.165	0.000	-3.708	1.102	1128.1	1385.6	550.7	82.4	1.063	0.971	0.998	0.035	0.970	-0.003	0.050	-2.95	-0.20
9	12.498	0.000	-3.708	1.102	1128.2	1388.2	551.4	82.4	1.124	1.016	0.998	-0.035	1.016	-0.003	0.031	-1.74	-0.20
10	12.831	0.000	-3.708	1.103	1128.4	1387.6	551.3	82.3	1.168	1.047	0.997	-0.098	1.047	-0.003	0.003	-0.19	-0.19
11	13.164	0.000	-3.708	1.104	1129.7	1387.4	551.6	82.3	1.159	1.039	0.993	-0.086	1.039	-0.003	0.009	-0.50	-0.17
12	13.497	0.000	-3.708	1.104	1129.4	1390.1	552.6	82.4	1.105	1.001	0.992	-0.011	1.001	-0.003	0.023	-1.34	-0.17
13	13.830	0.000	-3.708	1.102	1128.2	1387.5	551.1	82.4	1.087	0.989	0.994	0.015	0.989	-0.003	0.023	-1.32	-0.18
14	14.163	0.000	-3.708	1.102	1128.1	1387.0	550.9	82.3	1.120	1.013	0.997	0.020	1.013	-0.003	0.014	-0.81	-0.19
15	14.496	0.000	-3.708	1.104	1129.5	1386.8	552.1	82.4	1.135	1.023	0.996	-0.050	1.023	-0.003	0.008	-0.47	-0.16
16	14.829	0.000	-3.708	1.102	1129.7	1389.5	552.0	82.6	1.142	1.028	0.995	-0.062	1.028	-0.003	0.005	-0.31	-0.17
17	15.162	0.000	-3.708	1.101	1127.7	1387.4	550.8	82.6	1.126	1.018	0.995	-0.046	1.018	-0.003	0.005	-0.30	-0.17
18	15.495	0.000	-3.704	1.102	1128.3	1388.8	551.6	82.5	1.123	1.016	0.995	-0.036	1.016	-0.003	0.004	-0.25	-0.17
19	15.828	0.000	-3.708	1.103	1128.8	1386.9	551.0	82.5	1.129	1.019	0.995	-0.042	1.019	-0.004	0.002	-0.09	-0.20
20	16.161	0.000	-3.708	1.101	1127.1	1387.4	550.6	82.5	1.141	1.029	0.996	-0.063	1.029	-0.003	0.004	-0.20	-0.17
21	16.494	0.000	-3.708	1.102	1127.8	1388.4	551.3	82.4	1.155	1.039	0.995	-0.082	1.038	-0.004	0.016	-0.55	-0.20
22	16.827	0.000	-3.708	1.104	1129.5	1390.3	552.7	82.4	1.168	1.046	0.993	-0.100	1.046	-0.004	0.021	-1.04	-0.20
23	17.160	0.000	-3.708	1.101	1126.9	1386.4	550.2	82.3	1.168	1.049	0.994	-0.104	1.048	-0.002	0.021	-1.10	-0.13
24	17.493	0.000	-3.708	1.102	1128.6	1388.8	551.7	82.6	1.151	1.035	0.992	-0.079	1.035	-0.002	0.010	-0.55	-0.10
25	17.826	0.000	-3.708	1.102	1128.1	1387.9	551.1	82.6	1.151	1.036	0.993	-0.078	1.035	-0.002	0.011	-0.63	-0.10
26	18.159	0.000	-3.708	1.103	1128.8	1386.5	551.9	82.6	1.194	1.065	0.993	-0.136	1.064	-0.002	0.028	-1.99	-0.13
27	18.492	0.000	-3.708	1.103	1129.6	1389.3	552.2	82.6	1.253	1.105	0.991	-0.215	1.102	-0.003	0.075	-3.88	-0.13
28	18.825	0.000	-3.703	1.104	1129.6	1388.1	551.8	82.4	1.272	1.117	0.982	-0.246	1.114	-0.002	0.085	-4.35	-0.11
29	19.158	0.000	-3.708	1.101	1127.8	1387.4	550.8	82.7	1.277	1.123	0.979	-0.260	1.119	-0.003	0.087	-4.43	-0.13
30	19.491	0.000	-3.708	1.100	1126.5	1387.6	550.3	82.7	1.210	1.079	0.978	-0.178	1.078	-0.002	0.033	-1.74	-0.11

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART AEX10-6 ALFA CONFIG

TC-532 866 2.999 0.00 25

SURVEY ALFAS

1303 0.00

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
4	9.834	0.000	-2.958	1.097	1124.4	1389.3	550.3	82.6	1.157	1.043	0.994	-0.093	1.043	-0.003	0.004	0.22	-0.17
5	10.167	0.000	-2.958	1.101	1127.4	1390.0	551.7	82.5	1.156	1.040	0.993	-0.087	1.040	-0.003	0.003	0.16	-0.15
6	10.500	0.000	-2.958	1.101	1127.4	1387.2	550.8	82.6	1.152	1.037	0.995	-0.080	1.037	-0.003	0.001	0.08	-0.15
7	10.833	0.000	-2.958	1.101	1127.6	1387.7	550.8	82.7	1.110	1.007	0.995	-0.019	1.007	-0.003	0.014	-0.78	-0.17
8	11.166	0.000	-2.958	1.101	1127.8	1387.3	550.8	82.5	0.918	0.859	0.995	0.276	0.859	-0.003	-0.659	-3.28	-0.12
9	11.499	0.000	-2.958	1.101	1127.2	1387.4	550.7	82.4	0.882	0.831	0.997	0.335	0.828	-0.002	-0.693	-8.25	-0.15
10	11.832	0.000	-2.958	1.102	1127.6	1386.0	550.3	82.2	0.919	0.860	0.996	0.276	0.853	-0.002	-0.111	-7.40	-0.15
11	12.165	0.000	-2.958	1.104	1130.2	1389.6	552.6	82.7	1.124	1.014	0.995	-0.034	1.011	-0.003	-0.061	-4.59	-0.20
12	12.498	0.000	-2.958	1.103	1128.9	1389.4	552.0	82.6	1.194	1.065	0.993	-0.137	1.065	-0.004	-0.017	-0.91	-0.22
13	12.831	0.000	-2.958	1.102	1128.1	1387.0	550.8	82.5	1.193	1.065	0.991	-0.138	1.065	-0.004	0.002	0.10	-0.22
14	13.164	0.000	-2.958	1.101	1127.7	1387.8	551.0	82.5	1.108	1.005	0.990	-0.021	1.005	-0.004	-0.024	-1.38	-0.24
15	13.497	0.000	-2.958	1.103	1128.7	1390.5	552.5	82.4	1.080	0.983	0.992	0.023	0.983	-0.004	-0.030	-1.75	-0.22
16	13.830	0.000	-2.958	1.103	1128.7	1389.7	552.1	82.6	1.116	1.009	0.995	-0.025	1.009	-0.004	-0.023	-1.31	-0.21
17	14.163	0.000	-2.958	1.103	1128.7	1388.1	551.5	82.5	1.126	1.017	0.995	-0.039	1.017	-0.004	-0.017	-0.95	-0.25
18	14.496	0.000	-2.958	1.100	1126.6	1385.8	549.7	82.7	1.132	1.023	0.995	-0.052	1.023	-0.004	-0.012	-0.68	-0.23
19	14.829	0.000	-2.958	1.102	1128.0	1389.3	551.7	82.5	1.128	1.019	0.994	-0.045	1.019	-0.003	-0.013	-0.74	-0.19
20	15.162	0.000	-2.958	1.102	1128.0	1388.8	551.5	82.5	1.129	1.020	0.995	-0.045	1.019	-0.004	-0.010	-0.55	-0.22
21	15.495	0.000	-2.958	1.103	1129.2	1389.0	551.9	82.7	1.131	1.020	0.994	-0.047	1.020	-0.004	-0.007	-0.38	-0.22
22	15.828	0.000	-2.958	1.102	1128.6	1386.9	550.9	82.7	1.135	1.024	0.994	-0.054	1.024	-0.004	-0.001	-0.65	-0.20
23	16.161	0.000	-2.958	1.103	1129.3	1389.5	552.2	82.7	1.148	1.032	0.994	-0.071	1.032	-0.003	0.004	0.24	-0.16
24	16.494	0.000	-2.958	1.101	1127.9	1388.7	551.3	82.7	1.158	1.041	0.993	-0.090	1.041	-0.002	0.008	0.47	-0.13
25	16.827	0.000	-2.958	1.102	1128.6	1389.1	551.7	82.7	1.155	1.038	0.991	-0.086	1.038	-0.003	0.008	0.46	-0.18
26	17.160	0.000	-2.958	1.103	1129.0	1388.9	551.8	82.6	1.138	1.025	0.990	-0.061	1.025	-0.004	0.004	0.25	-0.23
27	17.493	0.000	-2.958	1.104	1129.9	1390.1	552.7	82.7	1.158	1.039	0.993	-0.085	1.039	-0.005	0.021	1.14	-0.27
28	17.826	0.000	-2.958	1.099	1128.5	1393.4	552.5	84.9	1.281	1.127	0.993	-0.256	1.119	-0.004	0.135	6.69	-0.21
29	18.159	0.000	-2.958	1.103	1131.8	1394.3	554.2	84.8	1.290	1.129	0.976	-0.275	1.122	-0.005	0.127	6.43	-0.26
30	18.492	0.000	-2.958	1.096	1126.4	1396.1	552.6	85.3	1.295	1.139	0.972	-0.297	1.133	-0.004	0.118	5.95	-0.19
31	18.825	0.000	-2.958	1.103	1131.6	1393.5	553.7	85.2	1.184	1.058	0.975	-0.141	1.057	-0.003	0.049	2.64	-0.17
32	19.158	0.000	-2.958	1.103	1128.7	1383.4	549.8	82.0	1.166	1.045	0.989	-0.101	1.044	-0.003	0.037	2.03	-0.16
33	19.491	0.000	-2.958	1.100	1126.0	1381.7	548.2	81.6	1.156	1.040	0.991	-0.089	1.040	-0.002	0.020	1.10	-0.11

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART PEX10-6 ALFA CONFIG 25

IC-532 867 2.993 0.00

SURVEY ALFAS 0.00

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPU	UL/VM	VL/VM	WL/VM	AAL	SPL
1	9.834	-0.750	-2.208	1.103	1126.5	1377.9	547.4	80.4	1.147	1.032	0.994	-0.071	1.032	-0.003	-0.004	-0.24	-0.18
4	11.167	-0.750	-2.208	1.103	1126.2	1374.7	546.3	79.7	0.921	0.861	0.997	0.275	0.860	-0.042	-0.018	-1.23	-2.80
5	12.500	-0.750	-2.208	1.103	1125.9	1374.7	546.3	79.4	1.169	1.047	0.995	-0.099	1.046	-0.009	-0.040	-2.21	-0.47
6	13.833	-0.750	-2.208	1.104	1126.1	1372.9	545.8	79.0	1.114	1.008	0.994	-0.023	1.007	-0.013	-0.028	-1.57	-1.02
8	15.166	-0.750	-2.208	1.099	1122.0	1373.5	544.7	78.8	1.116	1.013	0.990	-0.030	1.012	-0.013	-0.017	-0.96	-0.75
9	16.499	-0.750	-2.208	1.102	1124.2	1372.1	545.0	78.6	1.140	1.028	0.990	-0.066	1.027	-0.004	0.023	1.27	-0.25
10	17.832	-0.750	-2.208	1.100	1122.2	1372.4	544.4	78.3	1.325	1.155	0.992	-0.309	1.149	0.112	0.033	1.65	5.57
12	19.165	-0.750	-2.208	1.101	1122.4	1371.2	544.1	78.1	1.127	1.019	0.989	-0.050	1.019	0.003	0.010	0.55	0.19
13	20.498	-0.750	-2.208	1.105	1125.7	1373.0	546.2	77.9	1.137	1.024	0.994	-0.053	1.024	0.004	-0.003	-0.15	0.21

140

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A STEVENS CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-0

TC-532 869

DATE 2-22-78

AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VM/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
9	9.834	0.750	-2.208	1.104	1122.9	1365.0	542.9	75.4	1.154	1.035	0.993	-0.078	1.035	0.003	0.023	1.30	0.14
10	10.167	0.750	-2.208	1.104	1122.2	1364.5	542.4	75.4	1.148	1.032	0.994	-0.070	1.031	0.003	0.022	1.22	0.18
11	10.500	0.750	-2.208	1.101	1120.3	1364.9	541.9	75.3	1.132	1.022	0.995	-0.050	1.022	0.004	0.015	0.85	0.25
12	10.833	0.750	-2.208	1.103	1121.4	1365.2	542.4	75.4	1.061	0.969	0.994	0.055	0.969	0.012	0.001	0.04	0.74
13	11.166	0.750	-2.208	1.102	1120.6	1363.3	541.4	75.3	0.906	0.850	0.996	0.296	0.849	0.043	-0.001	-0.09	2.92
14	11.499	0.750	-2.208	1.100	1119.1	1363.1	540.7	75.3	0.876	0.826	0.996	0.344	0.822	0.082	-0.000	-0.02	5.69
15	11.832	0.750	-2.208	1.100	1119.1	1363.3	540.9	75.1	0.908	0.852	0.996	0.292	0.846	0.099	-0.001	-0.05	6.69
16	12.165	0.750	-2.208	1.101	1120.1	1364.1	541.6	75.1	1.104	1.002	0.996	-0.008	1.000	0.067	-0.006	-0.35	3.82
17	12.498	0.750	-2.208	1.101	1119.8	1363.5	541.2	75.2	1.151	1.036	0.995	-0.077	1.036	0.007	-0.022	-1.22	0.36
18	12.831	0.750	-2.208	1.101	1119.9	1364.1	541.5	75.1	1.099	0.999	0.994	-0.004	0.998	0.009	-0.042	-2.42	0.52
19	13.164	0.750	-2.208	1.101	1119.8	1363.3	541.2	74.9	1.059	0.969	0.994	0.056	0.967	0.019	-0.041	-2.42	1.15
20	13.497	0.750	-2.208	1.103	1121.0	1364.3	542.1	75.0	1.075	0.980	0.996	0.036	0.979	0.018	-0.030	-1.75	1.03
21	13.830	0.750	-2.208	1.100	1118.9	1362.8	540.6	75.1	1.076	0.982	0.995	0.029	0.982	0.014	-0.019	-1.12	0.82
22	14.163	0.750	-2.208	1.100	1119.0	1363.2	540.9	75.0	1.077	0.983	0.995	0.029	0.983	0.011	-0.015	-0.85	0.87
23	14.496	0.750	-2.208	1.102	1119.9	1364.3	541.7	74.9	1.078	0.983	0.994	0.027	0.983	0.010	-0.012	-0.72	0.57
24	14.829	0.750	-2.208	1.102	1120.2	1362.2	540.9	74.9	1.084	0.987	0.996	0.021	0.947	0.009	-0.010	-0.50	0.54
25	15.162	0.750	-2.208	1.103	1121.4	1364.1	542.1	75.0	1.094	0.994	0.996	0.008	0.993	0.008	-0.008	-0.43	0.48
26	15.495	0.750	-2.208	1.103	1120.6	1362.6	541.3	74.8	1.106	1.003	0.996	-0.010	1.003	0.005	0.001	0.04	0.29
27	15.828	0.750	-2.208	1.104	1122.0	1363.7	542.2	74.9	1.118	1.010	0.994	-0.026	1.010	0.002	0.013	0.73	0.09
28	16.161	0.750	-2.208	1.101	1119.4	1362.0	540.6	74.8	1.114	1.010	0.993	-0.027	1.009	-0.003	0.026	1.46	-0.18
29	16.494	0.750	-2.208	1.101	1119.4	1361.8	540.6	74.8	1.103	1.002	0.993	-0.011	1.001	-0.004	0.025	1.45	-0.22
30	16.827	0.750	-2.208	1.103	1120.9	1364.0	542.0	74.8	1.106	1.003	0.994	-0.012	1.004	0.000	0.021	1.21	0.02
31	17.160	0.750	-2.208	1.103	1121.0	1361.2	540.9	74.8	1.117	1.010	0.996	-0.025	1.010	0.004	0.022	1.27	0.21
32	17.493	0.750	-2.208	1.104	1121.7	1362.6	541.4	74.7	1.154	1.036	0.995	-0.077	1.035	-0.011	0.030	1.64	-0.59
33	17.826	0.750	-2.208	1.100	1118.4	1362.1	540.3	74.7	1.276	1.123	0.993	-0.248	1.118	-0.095	0.048	2.47	-4.85
34	18.159	0.750	-2.208	1.102	1120.1	1363.4	541.4	74.8	1.286	1.128	0.979	-0.270	1.122	-0.091	0.053	2.72	-4.63
35	18.492	0.750	-2.208	1.102	1120.1	1362.4	541.1	74.7	1.267	1.115	0.974	-0.250	1.112	-0.058	0.061	3.13	-2.99
36	18.825	0.750	-2.208	1.102	1120.0	1361.6	540.7	74.7	1.143	1.030	0.977	-0.085	1.029	-0.006	0.036	2.03	-0.32
37	19.158	0.750	-2.208	1.103	1120.9	1361.4	541.0	74.6	1.121	1.013	0.992	-0.035	1.013	-0.005	0.023	1.31	-0.23
38	19.491	0.750	-2.208	1.103	1121.2	1362.7	541.6	74.7	1.122	1.014	0.995	-0.033	1.013	-0.005	0.017	0.98	-0.32

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SHERIDAN CORPORATION COMPANY

PROJUSION WIND TUNNEL

AFNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG 25

TC-532 870 2.995 2.00 SURVEY ALFAS 1302 1.99

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	UM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.634	0.000	-3.708	1.099	1116.9	1360.4	530.1	74.6	1.166	1.049	0.936	-0.101	1.043	-0.004	0.038	2.06	-0.20
2	10.167	0.000	-3.708	1.101	1119.1	1362.5	540.8	74.6	1.162	1.044	0.934	-0.094	1.043	-0.004	0.038	1.98	-0.20
3	10.500	0.000	-3.708	1.101	1119.0	1361.9	540.6	74.4	1.156	1.040	0.935	-0.085	1.039	-0.004	0.035	1.93	-0.19
4	10.833	0.000	-3.708	1.102	1120.0	1362.4	541.1	74.5	1.144	1.030	0.934	-0.087	1.030	-0.004	0.030	1.64	-0.20
5	11.166	0.000	-3.708	1.101	1119.4	1360.9	540.3	74.5	1.001	0.925	0.935	0.145	0.925	-0.003	-0.002	-0.12	-0.20
6	11.499	0.000	-3.708	1.101	1119.1	1361.5	540.4	74.5	0.938	0.876	0.997	0.245	0.876	-0.003	-0.020	-1.33	-0.17
7	11.832	0.000	-3.708	1.102	1119.9	1361.6	540.8	74.3	0.953	0.887	0.996	0.223	0.886	-0.003	-0.029	-1.50	-0.17
8	12.165	0.000	-3.708	1.102	1120.3	1361.8	541.0	74.5	1.043	0.956	0.997	0.044	0.956	-0.003	-0.025	-1.52	-0.19
9	12.498	0.000	-3.708	1.102	1120.1	1361.1	540.7	74.1	1.114	1.009	0.997	-0.020	1.009	-0.004	-0.006	-0.35	-0.20
10	12.831	0.000	-3.708	1.103	1120.6	1360.6	540.7	74.4	1.153	1.036	0.996	-0.076	1.036	-0.003	0.017	0.85	-0.17
11	13.164	0.000	-3.708	1.102	1119.6	1360.8	540.4	74.3	1.122	1.015	0.994	-0.037	1.015	-0.003	0.008	0.34	-0.20
12	13.497	0.000	-3.708	1.103	1120.8	1361.2	541.0	74.4	1.056	0.972	0.994	0.048	0.972	-0.003	-0.006	-0.35	-0.18
13	13.830	0.000	-3.708	1.104	1121.2	1361.3	541.2	74.4	1.067	0.973	0.995	0.048	0.973	-0.004	-0.004	-0.25	-0.21
14	14.163	0.000	-3.708	1.103	1120.5	1361.6	541.0	74.4	1.094	0.993	0.996	0.309	0.993	-0.003	0.002	0.11	-0.18
15	14.496	0.000	-3.708	1.101	1119.1	1359.9	539.9	74.3	1.102	1.000	0.996	-0.005	1.000	-0.004	0.006	0.34	-0.21
16	14.829	0.000	-3.708	1.103	1120.6	1361.2	541.0	74.3	1.099	0.997	0.995	0.001	0.997	-0.003	0.005	0.31	-0.20
17	15.162	0.000	-3.708	1.103	1120.5	1360.9	540.8	74.3	1.086	0.988	0.995	0.019	0.988	-0.003	0.005	0.27	-0.20
18	15.495	0.000	-3.708	1.101	1118.9	1360.3	540.0	74.3	1.088	0.990	0.996	0.015	0.990	-0.003	0.008	0.45	-0.18
19	15.828	0.000	-3.708	1.102	1119.4	1360.4	540.2	74.2	1.099	0.998	0.996	-0.000	0.998	-0.003	0.011	0.85	-0.20
20	16.161	0.000	-3.708	1.103	1120.2	1361.5	541.0	74.2	1.114	1.009	0.995	-0.032	1.008	-0.004	0.017	0.95	-0.22
21	16.494	0.000	-3.708	1.103	1120.6	1359.8	540.4	74.3	1.125	1.016	0.995	-0.038	1.016	-0.004	0.024	1.36	-0.23
22	16.827	0.000	-3.708	1.101	1119.2	1359.1	539.6	74.3	1.127	1.019	0.995	-0.043	1.018	-0.004	0.027	1.52	-0.24
23	17.160	0.000	-3.708	1.102	1119.6	1361.0	540.5	74.2	1.108	1.004	0.994	-0.015	1.004	-0.003	0.021	1.20	-0.17
24	17.493	0.000	-3.708	1.102	1119.7	1359.3	539.8	74.3	1.105	1.002	0.995	-0.010	1.002	-0.002	0.020	1.16	-0.13
25	17.826	0.000	-3.708	1.100	1118.6	1360.7	539.7	75.1	1.137	1.037	0.996	-0.059	1.027	-0.002	0.030	1.85	-0.13
26	18.159	0.000	-3.708	1.102	1121.5	1365.3	543.2	75.8	1.193	1.057	0.995	-0.119	1.056	-0.003	0.056	3.06	-0.14
27	18.492	0.000	-3.708	1.103	1122.4	1366.8	543.2	76.1	1.234	1.092	0.991	-0.191	1.089	-0.003	0.068	4.52	-0.16
28	18.825	0.000	-3.708	1.101	1120.4	1360.4	542.2	76.1	1.254	1.107	0.984	-0.225	1.103	-0.003	0.096	5.00	-0.15
29	19.158	0.000	-3.708	1.101	1120.7	1360.9	542.4	75.4	1.236	1.103	0.982	-0.219	1.100	-0.002	0.082	5.25	-0.15
30	19.491	0.000	-3.708	1.103	1122.4	1368.9	543.9	76.4	1.165	1.045	0.981	-0.109	1.044	-0.003	0.042	2.28	-0.18

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART HEX10-6 ALFA

IC-532 673 3.000 2.00

CONFIG

25

SURVEY ALFAS

1302 1.99

DATE

2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-3.708	1.099	1170.1	1371.4	543.6	77.3	1.167	1.049	0.996	-0.102	1.046	-0.004	0.038	2.08	-0.20
2	10.167	0.000	-3.708	1.100	1121.3	1370.7	543.7	77.3	1.161	1.044	0.994	-0.094	1.044	-0.004	0.038	2.00	-0.21
3	10.500	0.000	-3.708	1.101	1122.1	1369.5	543.7	77.2	1.156	1.040	0.994	-0.085	1.039	-0.004	0.035	1.95	-0.21
4	10.833	0.000	-3.708	1.101	1122.1	1370.5	544.0	77.3	1.143	1.030	0.995	-0.066	1.030	-0.004	0.029	1.94	-0.23
5	11.166	0.000	-3.708	1.102	1122.8	1371.0	544.5	77.3	1.001	0.924	0.995	0.145	0.924	-0.004	-0.002	-0.15	-0.22
6	11.499	0.000	-3.708	1.102	1122.6	1370.2	544.1	77.2	0.937	0.875	0.996	0.247	0.874	-0.003	-0.021	-1.36	-0.20
7	11.832	0.000	-3.708	1.103	1123.6	1371.2	544.9	77.3	0.952	0.885	0.996	0.225	0.885	-0.003	-0.029	-1.88	-0.19
8	12.165	0.000	-3.708	1.102	1123.2	1369.1	543.9	77.3	1.044	0.957	0.997	0.084	0.956	-0.003	-0.025	-1.52	-0.18
9	12.498	0.000	-3.708	1.102	1123.3	1371.2	544.7	77.4	1.115	1.009	0.997	-0.022	1.009	-0.003	-0.006	-0.34	-0.18
10	12.831	0.000	-3.708	1.102	1123.1	1371.1	544.6	77.4	1.152	1.036	0.996	-0.075	1.036	-0.003	0.017	0.95	-0.13
11	13.164	0.000	-3.708	1.104	1124.7	1372.6	545.8	77.5	1.123	1.014	0.993	-0.036	1.014	-0.003	0.006	0.34	-0.19
12	13.497	0.000	-3.708	1.102	1122.7	1371.6	544.6	77.4	1.065	0.973	0.995	0.047	0.973	-0.003	-0.006	-0.33	-0.18
13	13.830	0.000	-3.708	1.103	1123.5	1373.4	545.7	77.4	1.069	0.975	0.994	0.043	0.975	-0.003	-0.004	-0.23	-0.19
14	14.163	0.000	-3.708	1.102	1123.1	1371.3	544.7	77.4	1.093	0.993	0.996	0.009	0.993	-0.004	0.002	0.09	-0.21
15	14.496	0.000	-3.708	1.102	1122.9	1371.7	544.8	77.4	1.102	1.000	0.995	-0.006	1.000	-0.004	0.006	0.37	-0.21
16	14.829	0.000	-3.708	1.101	1122.3	1371.5	544.5	77.4	1.096	0.996	0.996	0.003	0.996	-0.004	0.005	0.31	-0.21
17	15.162	0.000	-3.708	1.101	1122.0	1371.3	544.3	77.4	1.081	0.985	0.996	0.024	0.985	-0.003	0.006	0.34	-0.19
18	15.495	0.000	-3.708	1.102	1123.0	1371.9	544.9	77.4	1.086	0.988	0.996	0.019	0.988	-0.004	0.008	0.38	-0.20
19	15.828	0.000	-3.708	1.102	1123.3	1371.2	544.7	77.4	1.099	0.998	0.996	0.000	0.998	-0.004	0.011	0.55	-0.20
20	16.161	0.000	-3.708	1.103	1123.5	1372.9	545.5	77.4	1.111	1.008	0.995	-0.022	1.008	-0.004	0.016	0.52	-0.20
21	16.494	0.000	-3.708	1.101	1121.9	1370.6	543.9	77.4	1.119	1.013	0.996	-0.032	1.013	-0.005	0.024	1.34	-0.26
22	16.827	0.000	-3.708	1.102	1123.0	1371.8	544.8	77.4	1.127	1.018	0.995	-0.041	1.018	-0.005	0.027	1.54	-0.25
23	17.160	0.000	-3.708	1.101	1122.4	1371.8	544.5	77.6	1.108	1.005	0.995	-0.016	1.005	-0.002	0.021	1.19	-0.12
24	17.493	0.000	-3.708	1.101	1122.0	1371.8	544.4	77.5	1.108	1.006	0.995	-0.017	1.005	-0.002	0.020	1.16	-0.13
25	17.826	0.000	-3.708	1.102	1122.9	1371.7	544.8	77.4	1.136	1.025	0.996	-0.054	1.024	-0.002	0.029	1.65	-0.12
26	18.159	0.000	-3.708	1.103	1123.7	1371.3	544.9	77.5	1.182	1.057	0.995	-0.117	1.055	-0.003	0.057	3.11	-0.14
27	18.492	0.000	-3.708	1.103	1123.8	1372.2	545.2	77.7	1.235	1.093	0.991	-0.193	1.090	-0.003	0.087	4.55	-0.15
28	18.825	0.000	-3.708	1.102	1123.1	1371.7	544.8	77.6	1.250	1.104	0.985	-0.219	1.100	-0.003	0.086	4.99	-0.17
29	19.158	0.000	-3.708	1.102	1123.0	1371.7	544.8	77.4	1.241	1.098	0.982	-0.210	1.095	-0.002	0.078	4.68	-0.11
30	19.491	0.000	-3.708	1.104	1124.8	1371.9	545.5	77.5	1.164	1.043	0.982	-0.105	1.042	-0.003	0.042	2.30	-0.15

DATE 9-MAR-78 PROJECT NO P41C-NOC

APC, INC.

AFC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 874 3.000 2.000 25

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4I

POINT	X	Y	Z	W	VW	PT	O	TT	ML	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
1	9.834	0.000	-2.958	1.102	1122.7	1372.1	544.8	77.6	1.160	1.042	0.993	-0.090	1.041	-0.004	0.032	1.76	-0.20
2	10.167	0.000	-2.958	1.102	1122.9	1371.9	544.7	77.5	1.157	1.039	0.994	-0.085	1.039	-0.004	0.032	1.77	-0.20
3	10.500	0.000	-2.958	1.102	1122.9	1371.6	544.6	77.5	1.154	1.038	0.995	-0.081	1.038	-0.003	0.031	1.72	-0.19
4	10.833	0.000	-2.958	1.103	1123.9	1372.4	545.4	77.5	1.117	1.011	0.994	-0.027	1.010	-0.003	0.012	0.66	-0.20
5	11.166	0.000	-2.958	1.104	1124.3	1371.6	545.2	77.5	0.906	0.849	0.995	0.258	0.848	-0.003	-0.033	-2.20	-0.21
6	11.499	0.000	-2.958	1.103	1123.9	1372.4	545.4	77.5	0.870	0.820	0.995	0.355	0.816	-0.004	-0.076	-5.30	-0.25
7	11.832	0.000	-2.958	1.102	1123.7	1371.1	544.7	77.5	0.905	0.849	0.996	0.298	0.843	-0.004	-0.096	-6.51	-0.27
8	12.165	0.000	-2.958	1.104	1124.4	1371.9	545.4	77.5	1.113	1.007	0.996	-0.018	1.005	-0.005	-0.064	-3.52	-0.25
9	12.498	0.000	-2.958	1.101	1122.6	1372.5	544.9	77.6	1.181	1.057	0.994	-0.120	1.057	-0.005	0.007	0.40	-0.24
10	12.831	0.000	-2.958	1.101	1122.4	1371.1	544.2	77.7	1.160	1.043	0.992	-0.094	1.043	-0.004	0.010	0.54	-0.30
11	13.164	0.000	-2.958	1.102	1123.1	1371.8	544.8	77.5	1.061	0.970	0.992	0.051	0.970	-0.004	-0.014	-0.33	-0.22
12	13.497	0.000	-2.958	1.103	1123.7	1371.7	545.0	77.6	1.054	0.964	0.994	0.065	0.964	-0.004	-0.017	-1.01	-0.23
13	13.830	0.000	-2.958	1.103	1124.1	1371.1	544.9	77.5	1.092	0.992	0.996	0.012	0.992	-0.004	-0.011	-0.61	-0.23
14	14.163	0.000	-2.958	1.103	1124.2	1371.7	545.2	77.5	1.102	0.999	0.996	-0.003	0.999	-0.005	-0.006	-0.36	-0.25
15	14.496	0.000	-2.958	1.101	1122.5	1371.8	544.6	77.4	1.101	1.000	0.995	-0.005	1.000	-0.005	-0.003	-0.17	-0.23
16	14.829	0.000	-2.958	1.102	1123.1	1372.2	545.0	77.5	1.096	0.995	0.995	0.004	0.995	-0.004	-0.003	-0.20	-0.23
17	15.162	0.000	-2.958	1.102	1122.9	1370.5	544.3	77.4	1.100	0.999	0.997	-0.002	0.999	-0.005	-0.000	-0.03	-0.27
18	15.495	0.000	-2.958	1.104	1123.9	1372.4	545.7	77.6	1.107	1.002	0.995	-0.010	1.002	-0.004	0.003	0.17	-0.23
19	15.828	0.000	-2.958	1.102	1122.9	1371.7	544.7	77.7	1.115	1.010	0.995	-0.026	1.010	-0.004	0.008	0.45	-0.20
20	16.161	0.000	-2.958	1.102	1123.4	1372.7	545.2	77.8	1.129	1.019	0.995	-0.043	1.019	-0.003	0.013	0.72	-0.19
21	16.494	0.000	-2.958	1.102	1123.1	1371.0	544.4	77.7	1.130	1.021	0.995	-0.057	1.021	-0.004	0.016	0.99	-0.21
22	16.827	0.000	-2.958	1.103	1124.0	1372.0	545.2	77.6	1.117	1.010	0.994	-0.027	1.010	-0.004	0.014	0.81	-0.25
23	17.160	0.000	-2.958	1.101	1123.5	1371.1	544.3	77.5	1.108	1.005	0.995	-0.016	1.005	-0.004	0.014	0.80	-0.20
24	17.493	0.000	-2.958	1.102	1123.4	1371.9	545.0	77.6	1.143	1.029	0.996	-0.063	1.029	-0.003	0.034	1.90	-0.17
25	17.826	0.000	-2.958	1.101	1122.2	1371.5	544.3	77.6	1.267	1.116	0.994	-0.233	1.107	-0.004	0.140	7.23	-0.20
26	18.159	0.000	-2.958	1.101	1122.7	1372.1	544.8	77.6	1.268	1.117	0.980	-0.248	1.108	-0.004	0.134	6.64	-0.22
27	18.492	0.000	-2.958	1.102	1123.3	1373.0	545.3	77.7	1.247	1.102	0.977	-0.222	1.097	-0.004	0.105	5.46	-0.23
28	18.825	0.000	-2.958	1.102	1123.4	1371.5	544.8	77.6	1.162	1.043	0.980	-0.166	1.041	-0.003	0.063	3.48	-0.18
29	19.158	0.000	-2.958	1.103	1124.1	1372.1	545.3	77.6	1.146	1.031	0.992	-0.071	1.030	-0.003	0.045	2.68	-0.19
30	19.491	0.000	-2.958	1.102	1122.6	1372.0	544.8	77.5	1.138	1.027	0.993	-0.061	1.026	-0.003	0.033	1.86	-0.17

DATE 9-MAR-78 PROJECT NO P41C-MOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 875 3.000 2.00

SURVEY ALFAS
1304 2.00

CONFIG 25

DATE
2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	9.835	-0.750	-2.208	1.101	1122.6	1371.8	544.6	77.5	1.148	1.034	0.994	-0.074	1.034	-0.011	0.024	1.32	-0.61
2	11.167	-0.750	-2.208	1.103	1123.7	1371.7	545.1	77.5	0.906	0.849	0.996	0.297	0.848	-0.050	0.003	0.22	-1.35
3	12.500	-0.750	-2.208	1.103	1123.7	1371.6	544.9	77.7	1.151	1.035	0.995	-0.075	1.034	-0.012	-0.021	-1.14	-0.66
4	13.833	-0.750	-2.208	1.101	1122.2	1372.2	544.5	77.8	1.080	0.985	0.995	0.024	0.985	-0.019	-0.014	-0.41	-1.08
5	15.166	-0.750	-2.208	1.103	1124.1	1373.2	545.7	77.8	1.095	0.995	0.996	0.006	0.995	-0.013	-0.005	-0.26	-0.78
6	16.499	-0.750	-2.208	1.101	1122.2	1372.2	544.6	77.8	1.112	1.008	0.993	-0.024	1.008	-0.001	0.027	1.55	-0.04
7	17.832	-0.750	-2.208	1.103	1123.9	1371.6	545.0	77.6	1.279	1.123	0.993	-0.247	1.118	0.093	0.045	2.31	4.75
8	19.165	-0.750	-2.208	1.100	1121.8	1370.6	543.8	77.7	1.120	1.015	0.993	-0.037	1.015	0.006	0.023	1.23	0.32
10	20.498	-0.750	-2.208	1.102	1123.2	1371.4	544.7	77.6	1.134	1.023	0.995	-0.052	1.023	-0.005	0.014	0.77	-0.26

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.
AERO DIVISION
A STEADY-STATE CORPORATION COMPANY

PROPELLSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART RXA10-6 ALPHA CONFIG 25

TC-532 870 3.002 5.00 SURVEY ALFAF 1301 5.00

DATE 2-22-78
AEDC PROPELLSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	O	TT	ML	VM/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	CL
8	9.834	0.750	-2.208	1.105	1125.5	1372.8	545.0	77.8	1.155	1.036	0.993	-0.079	1.034	0.014	0.093	3.51	0.30
9	10.167	0.750	-2.208	1.104	1124.8	1373.3	546.0	77.7	1.150	1.033	0.994	-0.073	1.031	0.015	0.094	3.53	0.32
10	10.500	0.750	-2.208	1.103	1124.3	1371.1	545.9	77.7	1.131	1.021	0.995	-0.068	1.020	0.017	0.094	3.53	0.33
11	10.833	0.750	-2.208	1.102	1123.5	1373.3	545.9	77.8	1.013	0.912	0.995	0.129	0.931	0.027	0.038	2.19	1.67
12	11.166	0.750	-2.208	1.101	1122.1	1372.3	544.2	77.9	0.885	0.834	0.996	0.328	0.831	0.058	0.031	2.10	4.01
13	11.499	0.750	-2.208	1.101	1122.1	1372.8	544.8	77.7	0.867	0.819	0.996	0.357	0.813	0.091	0.030	2.10	6.42
14	11.832	0.750	-2.208	1.101	1122.7	1373.0	545.0	77.8	0.905	0.849	0.995	0.297	0.842	0.103	0.027	1.95	6.99
15	12.165	0.750	-2.208	1.101	1122.7	1372.6	544.9	77.7	1.093	0.994	0.996	0.007	0.992	0.067	0.023	1.24	1.66
16	12.498	0.750	-2.208	1.102	1122.8	1371.8	544.7	77.6	1.124	1.016	0.996	-0.037	1.016	0.018	0.026	0.32	1.30
17	12.831	0.750	-2.208	1.101	1122.7	1370.7	544.2	77.6	1.032	0.949	0.996	0.098	0.948	0.023	-0.013	-0.80	1.37
18	13.164	0.750	-2.208	1.104	1124.6	1372.7	545.7	77.8	0.987	0.912	0.995	0.170	0.912	0.026	-0.011	-0.72	1.55
19	13.497	0.750	-2.208	1.103	1124.0	1372.2	545.3	77.7	1.013	0.933	0.996	0.129	0.933	0.023	-0.006	-0.38	1.42
20	13.830	0.750	-2.208	1.100	1121.9	1371.5	544.2	77.7	1.031	0.949	0.996	0.098	0.948	0.018	-0.000	-0.02	1.58
21	14.163	0.750	-2.208	1.100	1121.4	1370.8	543.8	77.6	1.027	0.946	0.996	0.104	0.945	0.015	0.004	0.22	0.82
22	14.496	0.750	-2.208	1.101	1122.7	1372.0	544.7	77.6	1.026	0.944	0.995	0.108	0.943	0.014	0.005	0.32	0.72
23	14.829	0.750	-2.208	1.102	1122.9	1371.6	544.6	77.6	1.027	0.944	0.995	0.106	0.944	0.012	0.007	0.39	0.70
24	15.162	0.750	-2.208	1.102	1123.1	1371.5	544.7	77.6	1.038	0.952	0.996	0.051	0.952	0.010	0.009	0.55	0.32
25	15.495	0.750	-2.208	1.103	1123.9	1371.4	545.0	77.6	1.059	0.967	0.996	0.060	0.967	0.006	0.018	1.09	0.37
26	15.828	0.750	-2.208	1.102	1122.9	1371.5	544.6	77.6	1.075	0.980	0.996	0.035	0.960	0.001	0.028	1.55	0.08
27	16.161	0.750	-2.208	1.102	1123.5	1371.6	544.8	77.7	1.083	0.986	0.995	0.023	0.985	-0.002	0.037	2.16	-0.15
28	16.494	0.750	-2.208	1.102	1123.4	1371.4	544.7	77.7	1.074	0.980	0.995	0.035	0.979	-0.001	0.034	2.20	-0.35
29	16.827	0.750	-2.208	1.104	1124.5	1373.3	545.9	77.7	1.074	0.978	0.995	0.038	0.978	0.004	0.036	2.11	0.11
30	17.160	0.750	-2.208	1.103	1124.0	1371.8	545.1	77.7	1.087	0.988	0.995	0.018	0.988	0.006	0.038	2.23	0.44
31	17.493	0.750	-2.208	1.104	1124.6	1373.7	546.1	77.8	1.145	1.030	0.995	-0.065	1.029	-0.015	0.045	2.48	-0.81
32	17.826	0.750	-2.208	1.101	1121.5	1371.4	544.0	77.7	1.243	1.101	0.993	-0.205	1.096	-0.078	0.060	3.12	-3.07
33	18.159	0.750	-2.208	1.100	1121.6	1371.9	544.7	77.6	1.246	1.102	0.984	-0.218	1.097	-0.081	0.068	3.55	-3.21
34	18.492	0.750	-2.208	1.101	1122.6	1372.1	545.0	77.6	1.198	1.068	0.982	-0.154	1.065	-0.041	0.065	3.50	-2.72
35	18.825	0.750	-2.208	1.102	1123.2	1372.1	544.8	77.6	1.111	1.006	0.986	-0.020	1.005	-0.016	0.048	2.73	-0.93
36	19.158	0.750	-2.208	1.103	1123.9	1372.0	545.1	77.7	1.111	1.007	0.995	-0.020	1.006	-0.007	0.044	2.48	-0.40
37	19.491	0.750	-2.208	1.101	1122.5	1371.4	544.4	77.6	1.114	1.010	0.995	-0.024	1.009	-0.000	0.041	2.33	-0.01

DATE 9-MAR-78 PROJECT NO P41C-NOC

AFD, INC.

AEDC DIVISION

A SYDERUP CORPORATION COMPANY

PROPELLION WIND TUNNEL

ARNOLO AIR FORCE STATION, TENNESSEE

TEST PART HX10-6 ALFA CONFIG 25

TC-532 877 2.498 5.00

DATE 2-22-78

AEDC PROPELLION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SRL
1	9.834	0.000	-3.708	1.101	1122.1	1371.3	544.2	77.6	1.162	1.044	0.996	-0.092	1.041	-0.002	0.082	4.52	-0.13
2	10.167	0.000	-3.708	1.102	1122.6	1372.2	544.8	77.6	1.161	1.043	0.994	-0.091	1.039	-0.003	0.081	4.47	-0.15
3	10.500	0.000	-3.708	1.101	1122.6	1371.5	544.5	77.7	1.158	1.041	0.994	-0.088	1.038	-0.003	0.080	4.41	-0.19
4	10.833	0.000	-3.708	1.101	1122.8	1372.3	544.8	77.8	1.145	1.032	0.995	-0.089	1.029	-0.004	0.071	3.95	-0.21
5	11.166	0.000	-3.708	1.101	1122.8	1373.0	545.1	77.8	0.929	0.916	0.994	0.162	0.915	-0.003	0.035	2.16	-0.21
6	11.499	0.000	-3.708	1.103	1123.9	1373.6	545.7	77.8	0.929	0.868	0.995	0.260	0.867	-0.003	0.015	1.02	-0.16
7	11.832	0.000	-3.708	1.102	1123.1	1371.8	544.8	77.7	0.933	0.871	0.997	0.255	0.871	-0.002	0.006	0.40	-0.15
8	12.165	0.000	-3.708	1.103	1124.2	1372.4	545.4	77.7	1.009	0.930	0.997	0.138	0.930	-0.003	0.007	0.46	-0.17
9	12.498	0.000	-3.708	1.100	1121.7	1371.1	544.0	77.6	1.093	0.995	0.997	0.003	0.994	-0.003	0.028	1.64	-0.19
10	12.831	0.000	-3.708	1.101	1122.1	1371.1	544.1	77.7	1.090	0.992	0.997	0.012	0.992	-0.004	0.033	1.91	-0.21
11	13.164	0.000	-3.708	1.101	1122.8	1371.8	544.6	77.7	1.007	0.929	0.995	0.136	0.929	-0.003	0.026	1.59	-0.21
12	13.497	0.000	-3.706	1.103	1124.2	1372.7	545.6	77.6	0.986	0.912	0.995	0.171	0.911	-0.003	0.022	1.40	-0.21
13	13.830	0.000	-3.708	1.100	1121.9	1371.2	544.1	77.6	1.005	0.928	0.996	0.139	0.928	-0.004	0.023	1.39	-0.23
14	14.163	0.000	-3.708	1.101	1122.2	1372.4	544.7	77.6	1.016	0.931	0.997	0.123	0.937	-0.004	0.021	1.31	-0.23
15	14.496	0.000	-3.708	1.101	1122.2	1371.7	544.4	77.6	1.021	0.941	0.997	0.115	0.940	-0.003	0.022	1.36	-0.21
16	14.829	0.000	-3.708	1.102	1123.2	1370.7	544.3	77.6	1.020	0.939	0.997	0.119	0.939	-0.003	0.023	1.39	-0.20
17	15.162	0.000	-3.708	1.102	1123.2	1371.4	544.7	77.6	1.027	0.944	0.997	0.108	0.944	-0.003	0.024	1.44	-0.19
18	15.495	0.000	-3.708	1.102	1123.2	1371.4	544.6	77.8	1.035	0.951	0.997	0.095	0.950	-0.003	0.028	1.71	-0.19
19	15.828	0.000	-3.708	1.103	1124.4	1373.1	545.8	77.7	1.048	0.959	0.997	0.078	0.959	-0.003	0.030	1.79	-0.17
20	16.161	0.000	-3.708	1.102	1122.9	1371.3	544.5	77.7	1.038	0.968	0.997	0.061	0.967	-0.003	0.035	2.09	-0.15
21	16.494	0.000	-3.708	1.104	1124.8	1373.2	545.9	77.9	1.061	0.969	0.996	0.058	0.968	-0.002	0.036	2.11	-0.15
22	16.827	0.000	-3.708	1.101	1122.2	1372.4	544.6	77.8	1.058	0.969	0.996	0.058	0.968	-0.003	0.035	2.09	-0.15
23	17.160	0.000	-3.708	1.101	1122.6	1371.7	544.6	77.6	1.062	0.971	0.997	0.055	0.970	-0.003	0.034	2.03	-0.16
24	17.493	0.000	-3.708	1.103	1123.7	1372.5	545.3	77.7	1.081	0.984	0.996	0.027	0.984	-0.003	0.039	2.28	-0.19
25	17.826	0.000	-3.708	1.103	1124.1	1372.4	545.4	77.7	1.116	1.016	0.996	-0.023	1.008	-0.004	0.052	2.94	-0.20
26	18.159	0.000	-3.708	1.102	1122.9	1371.8	544.7	77.7	1.166	1.046	0.996	-0.097	1.043	-0.003	0.080	4.39	-0.17
27	18.492	0.000	-3.708	1.103	1123.8	1372.0	545.1	77.6	1.197	1.067	0.992	-0.140	1.062	-0.004	0.099	5.33	-0.21
28	18.825	0.000	-3.708	1.103	1124.2	1371.9	545.3	77.5	1.210	1.075	0.989	-0.160	1.070	-0.004	0.109	5.64	-0.21
29	19.158	0.000	-3.708	1.101	1122.1	1370.1	543.8	77.6	1.162	1.044	0.988	-0.102	1.042	-0.004	0.089	3.77	-0.19
30	19.491	0.000	-3.708	1.102	1123.1	1371.5	544.7	77.6	1.117	1.011	0.990	-0.034	1.010	-0.004	0.055	3.12	-0.20

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPELLION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PLAN RD10-6 ALPHA CONFIG SURVEY ALFAS

TC-332 580 2.999 5.00 25 1303 5.01

AEDC PROPELLION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VM/AVM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.834	0.000	-2.958	1.100	1121.5	1371.8	544.2	77.6	1.159	1.042	0.994	-0.091	1.040	-0.004	0.075	4.15	-0.20
2	10.187	0.000	-2.958	1.100	1121.2	1370.6	543.7	77.5	1.156	1.041	0.995	-0.087	1.038	-0.003	0.076	4.18	-0.19
3	10.500	0.000	-2.958	1.101	1122.5	1371.9	544.6	77.6	1.155	1.039	0.995	-0.082	1.036	-0.004	0.074	4.10	-0.19
4	10.833	0.000	-2.958	1.102	1123.1	1372.3	544.9	77.8	1.091	0.992	0.994	0.009	0.991	-0.004	0.043	2.51	-0.24
5	11.166	0.000	-2.958	1.101	1122.6	1372.2	544.8	77.6	0.991	0.938	0.995	0.319	0.838	-0.003	-0.003	-0.19	-0.19
6	11.499	0.000	-2.958	1.101	1122.3	1371.7	544.5	77.6	0.858	0.811	0.996	0.372	0.810	-0.003	-0.003	-3.37	-0.20
7	11.832	0.000	-2.958	1.102	1123.4	1371.0	544.6	77.6	0.890	0.836	0.996	0.324	0.833	-0.003	-0.003	-7.62	-0.21
8	12.165	0.000	-2.958	1.102	1123.3	1371.3	544.7	77.6	1.089	0.991	0.996	0.014	0.990	-0.004	-0.004	-1.87	-0.22
9	12.498	0.000	-2.958	1.102	1123.3	1371.6	544.8	77.7	1.139	1.027	0.995	-0.059	1.027	-0.005	0.022	1.20	-0.20
10	12.831	0.000	-2.958	1.103	1123.7	1371.6	545.0	77.6	1.064	0.971	0.994	0.050	0.971	-0.004	0.014	0.83	-0.22
11	13.164	0.000	-2.958	1.103	1123.9	1372.2	545.3	77.5	0.953	0.887	0.994	0.219	0.887	-0.004	0.004	0.23	-0.23
12	13.497	0.000	-2.958	1.102	1123.2	1371.7	544.9	77.5	0.969	0.899	0.994	0.195	0.899	-0.005	0.002	0.16	-0.28
13	13.830	0.000	-2.958	1.102	1123.0	1372.7	545.2	77.4	1.002	0.925	0.995	0.145	0.925	-0.005	0.004	0.25	-0.23
14	14.163	0.000	-2.958	1.102	1123.2	1372.1	545.0	77.5	1.008	0.929	0.995	0.135	0.929	-0.004	0.005	0.32	-0.26
15	14.496	0.000	-2.958	1.103	1124.6	1371.5	544.9	77.5	1.018	0.937	0.996	0.121	0.937	-0.004	0.009	0.56	-0.25
16	14.829	0.000	-2.958	1.103	1124.5	1371.8	545.3	77.8	1.016	0.935	0.996	0.126	0.935	-0.004	0.008	0.50	-0.24
17	15.162	0.000	-2.958	1.101	1124.2	1371.6	544.3	77.7	1.027	0.945	0.996	0.105	0.945	-0.004	0.012	0.75	-0.23
18	15.495	0.000	-2.958	1.102	1123.6	1372.2	545.0	77.9	1.041	0.955	0.995	0.085	0.955	-0.003	0.016	0.84	-0.17
19	15.828	0.000	-2.958	1.102	1123.4	1373.1	545.4	77.8	1.060	0.969	0.996	0.057	0.968	-0.003	0.021	1.23	-0.19
20	16.161	0.000	-2.958	1.102	1123.5	1374.2	545.8	77.9	1.072	0.978	0.995	0.038	0.978	-0.002	0.024	1.43	-0.14
21	16.494	0.000	-2.958	1.102	1123.7	1373.6	545.6	77.9	1.068	0.975	0.995	0.045	0.974	-0.002	0.025	1.44	-0.15
22	16.827	0.000	-2.958	1.103	1123.8	1373.2	545.6	77.7	1.062	0.970	0.995	0.054	0.970	-0.002	0.024	1.40	-0.15
23	17.160	0.000	-2.958	1.103	1124.2	1371.7	545.2	77.6	1.071	0.976	0.995	0.042	0.976	-0.003	0.024	1.40	-0.20
24	17.493	0.000	-2.958	1.102	1124.1	1371.0	544.5	77.6	1.133	1.023	0.995	-0.050	1.021	-0.004	0.033	2.95	-0.22
25	17.826	0.000	-2.958	1.101	1124.7	1370.8	544.3	77.6	1.234	1.094	0.994	-0.190	1.085	-0.006	0.133	7.00	-0.30
26	18.159	0.000	-2.958	1.103	1124.0	1371.0	544.9	77.5	1.230	1.090	0.986	-0.191	1.081	-0.005	0.138	7.25	-0.25
27	18.492	0.000	-2.958	1.103	1123.7	1371.8	545.0	77.6	1.191	1.063	0.983	-0.142	1.057	-0.005	0.107	5.77	-0.28
28	18.825	0.000	-2.958	1.103	1123.6	1371.9	545.1	77.5	1.139	1.026	0.987	-0.087	1.023	-0.005	0.083	4.65	-0.26
29	19.158	0.000	-2.958	1.104	1124.8	1372.4	545.7	77.5	1.125	1.015	0.994	-0.037	1.013	-0.004	0.066	3.71	-0.24
30	19.491	0.000	-2.958	1.101	1122.4	1371.2	544.3	77.5	1.121	1.014	0.995	-0.034	1.013	-0.004	0.055	3.10	-0.20

DATE 9-MAR-78 PROJECT NO P41C-NOC

APC, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS
TC-332 881 3.000 5.00 1304 5.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SHA
1	9.834	-0.750	-2.208	1.101	1122.4	1372.1	543.7	77.6	1.151	1.036	0.994	-0.079	1.034	-0.022	0.067	3.69	-1.24
2	11.167	-0.750	-2.208	1.103	1123.6	1372.7	545.4	77.6	0.894	0.832	0.995	0.330	0.828	-0.055	0.034	2.33	-4.50
3	12.500	-0.750	-2.208	1.099	1121.2	1371.4	543.9	77.7	1.119	1.014	0.996	-0.033	1.014	-0.023	0.007	0.40	-1.29
4	13.833	-0.750	-2.208	1.103	1123.7	1372.1	545.1	77.8	1.036	0.951	0.996	0.093	0.951	-0.020	0.004	0.24	-1.23
5	15.166	-0.750	-2.208	1.102	1123.3	1370.4	544.3	77.7	1.038	0.953	0.996	0.090	0.953	-0.014	0.013	0.76	-0.83
6	16.499	-0.750	-2.208	1.102	1123.4	1371.0	544.6	77.7	1.078	0.982	0.996	0.031	0.981	-0.002	0.040	2.35	-0.14
7	17.832	-0.750	-2.208	1.103	1123.5	1371.4	544.8	77.5	1.248	1.102	0.993	-0.208	1.008	0.074	0.039	3.08	3.87
8	19.165	-0.750	-2.208	1.102	1123.0	1371.3	544.6	77.5	1.113	1.008	0.995	-0.022	1.007	0.003	0.044	2.59	0.18
9	20.498	-0.750	-2.208	1.103	1123.8	1371.6	544.9	77.7	1.129	1.019	0.994	-0.045	1.018	-0.014	0.042	2.37	-0.77

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART REA10-6 ALFA CONFIG 26

TC-512 835 3.000 0.00 1401 0.00

AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ACL	SAL
11	9.834	0.750	-2.208	0.925	975.9	1452.9	503.0	82.9	0.932	1.007	0.999	-0.015	1.007	-0.003	-0.508	-0.55	-0.59
12	10.500	0.750	-2.208	0.925	975.7	1452.8	500.4	82.9	0.923	0.999	1.000	0.002	0.999	-0.005	-0.010	-0.58	-0.57
13	11.165	0.750	-2.208	0.927	977.8	1454.0	502.0	83.0	0.923	0.996	0.999	0.007	0.996	-0.006	-0.013	-0.75	-0.52
14	11.832	0.750	-2.208	0.927	978.0	1453.0	501.8	82.9	0.924	0.997	1.000	0.006	0.997	-0.006	-0.015	-0.87	-0.33
15	12.498	0.750	-2.208	0.928	979.1	1453.8	502.8	82.9	0.922	0.994	1.000	0.011	0.994	-0.000	-0.021	-1.19	-0.12
16	13.164	0.750	-2.208	0.927	977.9	1452.9	501.8	82.9	0.946	1.017	1.000	-0.035	1.017	0.006	-0.026	-1.44	0.33
17	13.830	0.750	-2.208	0.927	977.6	1453.0	501.5	83.0	1.003	1.069	1.000	-0.139	1.069	-0.003	-0.017	-0.92	-0.13
18	14.496	0.750	-2.208	0.923	974.0	1452.6	499.4	82.9	0.998	1.068	1.000	-0.136	1.068	-0.005	-0.011	-0.60	-0.29
19	15.162	0.750	-2.208	0.925	976.5	1453.5	501.1	83.0	1.010	1.077	0.999	-0.155	1.077	-0.005	-0.005	-0.29	-0.30
20	15.828	0.750	-2.208	0.929	979.9	1452.5	502.7	83.1	1.057	1.114	1.000	-0.228	1.113	-0.015	0.010	0.50	-0.75
21	16.494	0.750	-2.208	0.926	976.8	1452.7	501.0	83.0	1.011	1.077	1.000	-0.154	1.077	-0.012	0.015	1.00	-0.58
23	17.160	0.750	-2.208	0.926	976.7	1453.0	501.0	83.1	0.966	1.037	1.000	-0.074	1.037	-0.001	0.017	0.92	-0.07
24	17.826	0.750	-2.208	0.926	976.7	1453.1	501.0	83.1	0.938	1.011	1.000	-0.022	1.011	-0.000	0.015	0.84	-0.01
25	18.492	0.750	-2.208	0.930	980.3	1453.6	503.4	83.0	0.926	0.997	0.999	0.005	0.997	-0.001	0.011	0.85	-0.06
27	19.158	0.750	-2.208	0.924	975.8	1453.0	500.4	83.2	0.919	0.995	1.000	0.009	0.995	-0.002	0.007	0.43	-0.13
28	19.824	0.750	-2.208	0.927	977.8	1453.1	501.7	83.1	0.921	0.995	1.000	0.010	0.995	-0.003	0.006	0.32	-0.10

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SPENDER CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-0 ALPHA

TC-532 886 2.997 0.00 26

SURVEY ALFAS
1402 0.00

DATE
2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 41

POINT	X	Y	Z	M	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
3	9.834	0.000	-3.708	0.923	974.7	1453.8	500.0	83.2	0.937	1.013	0.999	-0.026	1.013	-0.003	-0.008	-0.43
4	10.167	0.000	-3.708	0.923	974.2	1453.6	499.0	83.2	0.931	1.008	1.000	-0.016	1.008	-0.003	-0.009	-0.51
5	10.500	0.000	-3.708	0.928	979.4	1453.4	502.0	83.3	0.933	1.004	0.999	-0.010	1.004	-0.003	-0.009	-0.51
6	10.833	0.000	-3.708	0.928	979.0	1453.3	502.6	83.3	0.932	1.004	0.999	-0.008	1.004	-0.003	-0.011	-0.50
7	11.166	0.000	-3.708	0.925	976.1	1452.1	500.2	83.3	0.928	1.003	1.000	-0.006	1.003	-0.003	-0.011	-0.50
8	11.499	0.000	-3.708	0.925	976.7	1453.6	501.1	83.3	0.928	1.002	1.000	-0.005	1.002	-0.003	-0.013	-0.72
9	11.832	0.000	-3.708	0.926	977.5	1454.3	501.8	83.3	0.931	1.004	0.999	-0.009	1.004	-0.003	-0.014	-0.79
10	12.165	0.000	-3.708	0.927	978.0	1454.0	502.0	83.3	0.931	1.003	0.999	-0.008	1.003	-0.003	-0.015	-0.89
11	12.498	0.000	-3.708	0.923	974.9	1456.3	501.0	83.3	0.932	1.008	0.999	-0.018	1.008	-0.003	-0.017	-0.94
12	12.831	0.000	-3.708	0.925	976.1	1456.4	501.7	83.4	0.937	1.011	0.999	-0.024	1.011	-0.003	-0.019	-1.02
13	13.164	0.000	-3.708	0.925	976.6	1456.2	501.9	83.4	0.948	1.021	1.000	-0.043	1.021	-0.003	-0.018	-1.01
14	13.497	0.000	-3.708	0.927	977.9	1456.2	502.6	83.5	0.960	1.030	0.999	-0.063	1.030	-0.003	-0.018	-0.90
15	13.830	0.000	-3.708	0.927	978.6	1454.6	502.3	83.7	0.972	1.041	0.999	-0.083	1.041	-0.003	-0.013	-0.73
16	14.163	0.000	-3.708	0.928	979.6	1455.9	503.4	83.7	0.980	1.047	1.000	-0.094	1.047	-0.003	-0.011	-0.62
17	14.496	0.000	-3.708	0.924	976.2	1456.2	501.4	83.8	0.980	1.051	0.998	-0.104	1.051	-0.003	-0.009	-0.50
18	14.829	0.000	-3.708	0.925	977.0	1454.6	501.4	83.8	0.984	1.053	1.000	-0.107	1.053	-0.003	-0.007	-0.37
19	15.162	0.000	-3.708	0.927	978.0	1455.2	502.6	83.7	0.994	1.060	1.000	-0.121	1.060	-0.003	-0.005	-0.24
20	15.495	0.000	-3.708	0.930	980.6	1455.6	503.9	83.6	1.014	1.076	0.999	-0.153	1.076	-0.003	-0.001	-0.15
21	15.828	0.000	-3.708	0.929	980.5	1453.6	501.1	83.6	1.028	1.088	1.000	-0.177	1.048	-0.003	0.005	0.27
22	16.161	0.000	-3.708	0.926	977.4	1456.2	502.2	83.7	1.025	1.089	0.999	-0.181	1.059	-0.003	0.011	0.56
23	16.494	0.000	-3.708	0.929	979.0	1454.7	503.2	83.6	1.034	1.088	0.999	-0.137	1.068	-0.003	0.013	0.72
24	16.827	0.000	-3.708	0.927	978.6	1455.1	502.6	83.6	0.982	1.049	0.999	-0.100	1.049	-0.003	0.015	0.82
25	17.160	0.000	-3.708	0.927	978.6	1454.8	502.5	83.6	0.966	1.035	1.000	-0.070	1.035	-0.003	0.014	0.77
26	17.493	0.000	-3.708	0.930	980.8	1455.6	504.0	83.6	0.958	1.025	0.999	-0.052	1.025	-0.003	0.013	0.75
27	17.826	0.000	-3.708	0.927	978.8	1455.1	502.6	83.7	0.944	1.015	0.999	-0.032	1.015	-0.003	0.012	0.69
28	18.159	0.000	-3.708	0.927	978.5	1455.7	502.7	83.6	0.940	1.012	1.000	-0.025	1.012	-0.003	0.011	0.62
29	18.492	0.000	-3.708	0.925	977.1	1455.5	501.7	83.7	0.930	1.004	0.999	-0.010	1.004	-0.002	0.009	0.50
30	18.825	0.000	-3.708	0.927	978.5	1455.5	502.6	83.7	0.930	1.002	1.000	-0.005	1.002	-0.003	0.008	0.47
31	19.158	0.000	-3.708	0.928	979.2	1455.7	503.0	83.8	0.928	1.000	0.999	-0.002	1.000	-0.003	0.007	0.39
34	19.491	0.000	-3.708	0.928	979.6	1455.8	503.2	83.9	0.927	0.999	1.000	0.002	0.999	-0.003	0.006	0.34

DATE 9-MAR-78 PROJECT NO P41C-NOC

APD, INC.

AEC DIVISION

A STEERUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APOLLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIG 26

SURVEY ALFAS

1403 0.00

DATE
2-22-78

AEC PROPULSION WIND TUNNEL
TRANSMONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SNL
5	9.334	0.000	-2.958	0.927	979.0	1455.0	502.7	84.0	0.938	1.010	1.000	-0.020	1.009	-0.002	-0.007	-0.41	-0.14
6	10.167	0.000	-2.958	0.924	975.6	1456.5	501.1	83.9	0.930	1.006	1.000	-0.013	1.006	-0.003	-0.008	-0.46	-0.16
7	10.500	0.000	-2.958	0.925	976.5	1457.2	501.9	83.9	0.927	1.002	0.999	-0.005	1.002	-0.003	-0.009	-0.52	-0.16
8	10.833	0.000	-2.958	0.925	976.7	1456.9	501.9	83.9	0.925	1.000	0.999	-0.001	1.000	-0.003	-0.010	-0.60	-0.17
9	11.166	0.000	-2.958	0.924	976.5	1455.9	501.4	84.0	0.924	1.000	1.000	0.000	1.000	-0.003	-0.012	-0.67	-0.16
10	11.499	0.000	-2.958	0.925	977.1	1456.4	501.9	83.9	0.926	1.001	1.000	-0.002	1.001	-0.003	-0.013	-0.72	-0.17
11	11.832	0.000	-2.958	0.926	978.0	1456.3	502.4	84.0	0.926	1.000	1.000	0.000	1.000	-0.003	-0.014	-0.75	-0.15
12	12.165	0.000	-2.958	0.927	978.3	1456.4	502.9	83.9	0.928	1.001	1.000	-0.002	1.001	-0.003	-0.016	-0.92	-0.17
13	12.498	0.000	-2.958	0.928	979.3	1456.9	503.4	83.9	0.926	0.999	0.999	0.001	0.999	-0.003	-0.020	-1.15	-0.15
14	12.831	0.000	-2.958	0.928	979.6	1457.0	503.6	83.9	0.930	1.002	1.000	-0.004	1.002	-0.003	-0.024	-1.37	-0.17
15	13.164	0.000	-2.958	0.926	977.8	1457.1	502.6	83.8	0.949	1.021	0.999	-0.043	1.021	-0.003	-0.023	-1.32	-0.17
16	13.497	0.000	-2.958	0.926	977.5	1456.9	502.3	84.0	0.968	1.039	0.999	-0.080	1.039	-0.003	-0.019	-1.06	-0.17
17	13.830	0.000	-2.958	0.927	978.3	1456.7	502.7	84.0	0.984	1.052	1.000	-0.105	1.052	-0.003	-0.014	-0.79	-0.16
18	14.163	0.000	-2.958	0.928	980.0	1457.8	504.0	84.1	0.994	1.059	0.999	-0.121	1.059	-0.003	-0.011	-0.61	-0.15
19	14.496	0.000	-2.958	0.923	975.3	1456.3	500.8	84.0	0.995	1.062	1.000	-0.126	1.062	-0.003	-0.009	-0.49	-0.17
20	14.829	0.000	-2.958	0.927	978.4	1456.3	503.3	84.0	0.995	1.062	0.999	-0.126	1.062	-0.003	-0.009	-0.49	-0.17
21	15.162	0.000	-2.958	0.927	978.4	1456.3	502.6	84.0	1.002	1.068	0.999	-0.138	1.068	-0.003	-0.003	-0.18	-0.15
22	15.495	0.000	-2.958	0.923	975.6	1457.4	501.4	84.0	1.026	1.093	0.999	-0.187	1.093	-0.003	-0.005	0.25	-0.13
23	15.828	0.000	-2.958	0.926	977.9	1457.1	502.6	84.0	1.040	1.102	1.000	-0.206	1.102	-0.003	0.011	0.59	-0.16
24	16.161	0.000	-2.958	0.927	978.5	1456.4	502.7	84.0	1.041	1.102	1.000	-0.205	1.102	-0.003	0.018	0.95	-0.17
25	16.494	0.000	-2.958	0.929	980.1	1457.5	504.1	84.0	1.011	1.075	0.999	-0.151	1.075	-0.003	0.019	1.00	-0.17
26	16.827	0.000	-2.958	0.930	981.5	1456.6	504.5	84.1	0.978	1.044	0.999	-0.090	1.044	-0.003	0.019	1.02	-0.14
27	17.160	0.000	-2.958	0.924	975.9	1457.4	501.5	84.2	0.957	1.031	1.000	-0.062	1.031	-0.003	0.015	0.81	-0.15
28	17.493	0.000	-2.958	0.925	977.2	1456.5	502.0	84.0	0.947	1.020	1.000	-0.041	1.020	-0.002	0.014	0.61	-0.14
29	17.826	0.000	-2.958	0.928	979.5	1458.7	504.1	84.0	0.943	1.014	0.999	-0.029	1.014	-0.002	0.013	0.75	-0.12
30	18.159	0.000	-2.958	0.930	981.3	1457.2	504.7	84.0	0.936	1.005	0.999	-0.012	1.005	-0.002	0.012	0.93	-0.13
31	18.492	0.000	-2.958	0.925	977.3	1456.8	501.8	84.1	0.926	1.000	1.000	0.001	1.000	-0.002	0.010	0.56	-0.12
32	18.825	0.000	-2.958	0.927	979.2	1456.3	503.1	84.0	0.925	0.998	1.000	0.004	0.998	-0.002	0.009	0.50	-0.12
33	19.158	0.000	-2.958	0.929	980.8	1457.7	504.5	84.1	0.925	0.997	0.999	0.005	0.997	-0.002	0.007	0.43	-0.13
34	19.491	0.000	-2.958	0.925	976.8	1456.4	501.7	84.1	0.922	0.998	1.000	0.005	0.998	-0.002	0.006	0.35	-0.13

DATE 9-MAR-78 PROJECT NO P4IC-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PAFS REX10-0 ALFA CONFIG 26 SURVEY ALFAS 1404 0.00

TC-532 888 3.003 0.00 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

DATE

2-22-78

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AWL	SWL
8	9.834	0.000	-2.208	0.928	979.8	1457.4	503.7	84.2	0.937	1.008	1.000	-0.017	1.008	-0.003	-0.007	-0.39	-0.17
9	10.167	0.000	-2.208	0.924	976.2	1455.4	501.0	84.1	0.927	1.003	1.000	-0.006	1.003	-0.003	-0.008	-0.43	-0.18
10	10.500	0.000	-2.208	0.925	977.4	1457.6	502.4	84.2	0.924	0.999	0.999	0.000	0.999	-0.003	-0.008	-0.46	-0.19
11	10.833	0.000	-2.208	0.925	977.5	1457.4	502.4	84.2	0.923	0.997	0.999	0.004	0.997	-0.004	-0.010	-0.55	-0.20
12	11.165	0.000	-2.208	0.926	977.9	1456.8	502.4	84.3	0.922	0.997	0.999	0.005	0.997	-0.003	-0.011	-0.61	-0.19
13	11.499	0.000	-2.208	0.926	978.2	1456.5	502.5	84.1	0.923	0.997	1.000	0.006	0.997	-0.003	-0.011	-0.66	-0.18
14	11.832	0.000	-2.208	0.927	979.1	1457.9	503.5	84.1	0.924	0.997	0.999	0.004	0.997	-0.003	-0.013	-0.76	-0.19
15	12.165	0.000	-2.208	0.927	979.2	1456.8	503.1	84.3	0.923	0.996	1.000	0.007	0.996	-0.003	-0.015	-0.89	-0.18
16	12.498	0.000	-2.208	0.924	975.8	1455.9	500.9	84.1	0.908	0.985	1.000	0.030	0.985	-0.003	-0.029	-1.62	-0.16
17	12.831	0.000	-2.208	0.924	976.0	1456.7	501.3	84.0	0.899	0.977	0.999	0.045	0.976	-0.003	-0.051	-2.97	-0.18
18	13.164	0.000	-2.208	0.925	976.5	1456.8	501.8	83.9	0.954	1.027	1.000	-0.055	1.026	-0.004	-0.041	-2.27	-0.21
19	13.497	0.000	-2.208	0.926	977.7	1456.8	502.4	84.0	1.001	1.068	0.999	-0.138	1.068	-0.006	-0.029	-1.57	-0.20
20	13.830	0.000	-2.208	0.927	978.5	1457.4	503.0	84.2	1.019	1.083	1.000	-0.168	1.083	-0.005	-0.020	-1.68	-0.27
21	14.163	0.000	-2.208	0.928	979.7	1456.7	503.4	84.2	1.022	1.084	1.000	-0.170	1.084	-0.003	-0.011	-0.57	-0.24
22	14.496	0.000	-2.208	0.929	981.3	1458.1	504.7	84.5	0.979	1.045	0.999	-0.092	1.045	-0.003	-0.015	-0.81	-0.19
23	14.829	0.000	-2.208	0.925	976.9	1456.5	501.7	84.3	1.009	1.077	1.000	-0.154	1.077	-0.004	-0.007	-0.35	-0.21
24	15.162	0.000	-2.208	0.925	977.5	1457.9	502.5	84.3	1.017	1.083	0.999	-0.167	1.083	-0.003	-0.004	-0.21	-0.18
25	15.495	0.000	-2.208	0.927	978.9	1457.4	503.1	84.3	1.059	1.118	0.999	-0.237	1.118	-0.004	0.011	0.55	-0.20
26	15.828	0.000	-2.208	0.925	976.8	1456.6	501.7	84.2	1.074	1.133	1.000	-0.268	1.133	-0.005	0.029	1.44	-0.24
27	16.161	0.000	-2.208	0.927	978.8	1458.0	503.3	84.3	1.082	1.137	0.999	-0.276	1.136	-0.006	0.045	2.28	-0.31
28	16.494	0.000	-2.208	0.928	980.3	1458.3	504.1	84.3	1.002	1.066	0.999	-0.134	1.066	-0.005	0.034	1.63	-0.25
29	16.827	0.000	-2.208	0.926	978.3	1458.2	503.1	84.3	0.960	1.031	0.999	-0.063	1.031	-0.003	0.023	1.22	-0.17
30	17.160	0.000	-2.208	0.928	980.4	1458.4	504.3	84.4	0.964	1.033	0.999	-0.067	1.033	-0.002	0.020	1.09	-0.14
31	17.493	0.000	-2.208	0.926	978.4	1458.3	503.1	84.5	0.958	1.029	1.000	-0.059	1.029	-0.002	0.018	1.01	-0.12
32	17.826	0.000	-2.208	0.927	979.4	1457.8	503.5	84.4	0.944	1.016	0.999	-0.032	1.016	-0.002	0.017	0.93	-0.11
33	18.159	0.000	-2.208	0.929	981.1	1458.0	504.6	84.4	0.938	1.008	0.999	-0.018	1.008	-0.002	0.014	0.81	-0.12
34	18.492	0.000	-2.208	0.929	980.6	1459.4	504.7	84.5	0.932	1.003	0.999	-0.007	1.003	-0.002	0.013	0.75	-0.14
35	18.825	0.000	-2.208	0.928	979.7	1458.7	504.0	84.5	0.928	1.000	0.999	-0.002	1.000	-0.002	0.011	0.63	-0.13
36	19.158	0.000	-2.208	0.925	977.1	1458.0	502.2	84.5	0.925	1.000	1.000	-0.000	1.000	-0.002	0.010	0.56	-0.12
37	19.491	0.000	-2.208	0.927	979.3	1457.4	503.3	84.5	0.927	1.000	1.000	0.000	1.000	-0.002	0.009	0.51	-0.12

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APOLLO AIR FORCE STATION, TENNESSEE

TEST PART 889 2.997 0.00

TC-332 889 2.997 0.00

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

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ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

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DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

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DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

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ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

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PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

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PT 1457.9

VM 976.8

IT 84.6

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VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

VL/VM 0.003

WL/VM 0.007

ARL 0.41

SAL 0.14

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

ALFA CONFIG 26

SURVEY ALFAS 1405

PT 1457.9

VM 976.8

IT 84.6

MC 0.931

VML/VM 1.007

PTL/PT 1.000

CPL 0.014

UL/VM 1.007

DATE 9-MAR-78 PROJECT NO P41C-NOC

APD, INC.

AEDC DIVISION

A SHERBURG CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST P41C REX10-6 ALFA CONFIG 26

TC-532 832 3.004 5.00 SURVEY ALFAS 1401 5.01

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ALL	SLL
7	9.834	0.750	-2.208	0.928	980.8	1460.1	504.9	84.9	0.909	0.983	1.000	0.034	0.980	0.019	0.072	4.18	1.11
8	10.500	0.750	-2.208	0.929	981.2	1458.5	504.6	84.8	0.889	0.963	1.000	0.073	0.961	0.018	0.066	3.96	1.08
9	11.166	0.750	-2.208	0.926	978.2	1460.8	504.7	84.8	0.871	0.949	0.999	0.100	0.947	0.017	0.056	3.38	1.00
10	11.832	0.750	-2.208	0.927	979.1	1460.5	504.1	84.8	0.864	0.942	0.999	0.114	0.941	0.015	0.046	2.79	0.94
11	12.498	0.750	-2.208	0.928	980.4	1460.7	504.9	84.8	0.861	0.937	0.999	0.122	0.937	0.022	0.033	2.03	1.32
12	13.164	0.750	-2.208	0.923	976.2	1460.1	502.2	84.9	0.883	0.962	0.999	0.074	0.962	0.023	0.028	1.66	1.37
13	13.830	0.750	-2.208	0.926	978.3	1459.0	503.0	84.9	0.908	0.984	1.000	0.033	0.983	0.014	0.032	1.87	0.83
14	14.496	0.750	-2.208	0.928	980.5	1458.7	503.6	84.8	0.917	0.990	1.000	0.019	0.990	0.011	0.034	1.97	0.66
15	15.162	0.750	-2.208	0.927	979.5	1457.9	503.5	84.7	0.936	1.008	1.000	-0.016	1.007	0.009	0.038	2.17	0.54
16	15.828	0.750	-2.208	0.928	980.5	1458.2	504.1	84.7	0.967	1.036	1.000	-0.071	1.034	-0.000	0.051	2.31	-0.01
17	16.494	0.750	-2.208	0.927	980.0	1460.8	504.6	84.9	0.939	1.010	0.999	-0.022	1.009	0.004	0.053	3.00	0.22
18	17.160	0.750	-2.208	0.930	981.8	1459.4	505.2	84.9	0.933	1.003	1.000	-0.006	1.002	0.012	0.052	2.97	0.70
19	17.826	0.750	-2.208	0.927	979.3	1459.6	503.9	84.8	0.925	0.998	1.000	0.003	0.997	0.015	0.051	2.93	0.83
20	18.492	0.750	-2.208	0.927	979.3	1461.2	504.4	84.9	0.916	0.990	0.999	0.018	0.989	0.014	0.048	2.80	0.78
21	19.158	0.750	-2.208	0.930	982.1	1459.6	505.4	85.0	0.915	0.986	1.000	0.027	0.985	0.013	0.046	2.67	0.76
22	19.824	0.750	-2.208	0.927	979.8	1460.1	504.2	85.0	0.916	0.990	0.999	0.019	0.989	0.013	0.044	2.54	0.73

DATE 9-MAR-76 PROJECT NO P41C-HOC

ARG, INC.
AEC DIVISION
A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARTOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA

TC-532 893 2.998 5.00

SURVEY ALFAS
1402 5.01

CONFIG 26

DATE
2-22-78

AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPU	UL/VM	VL/VM	WL/VM	RAI	SKL
2	9.834	0.000	-3.708	0.925	978.2	1458.7	502.9	84.9	0.912	0.988	1.000	0.024	0.984	0.001	0.001	4.72	0.03
3	10.167	0.000	-3.708	0.926	979.0	1460.1	503.8	84.9	0.905	0.982	0.999	0.035	0.978	0.000	0.000	4.65	-0.01
4	10.500	0.000	-3.708	0.927	979.3	1460.4	504.1	84.9	0.902	0.977	0.999	0.045	0.970	0.000	0.000	4.55	0.01
5	10.833	0.000	-3.708	0.928	979.9	1459.5	502.4	84.8	0.895	0.973	0.999	0.053	0.964	0.000	0.000	4.38	0.02
6	11.166	0.000	-3.708	0.925	977.5	1458.8	502.9	84.7	0.890	0.968	1.000	0.064	0.965	0.000	0.000	4.20	0.01
7	11.499	0.000	-3.708	0.926	978.5	1459.4	503.3	84.9	0.888	0.965	1.000	0.069	0.963	0.000	0.000	4.01	-0.01
8	11.832	0.000	-3.708	0.926	978.6	1459.3	503.4	84.7	0.885	0.962	1.000	0.075	0.960	0.000	0.000	3.81	0.02
9	12.165	0.000	-3.708	0.927	979.3	1460.0	504.0	84.9	0.885	0.961	0.999	0.076	0.959	0.001	0.000	3.58	0.04
10	12.498	0.000	-3.708	0.925	978.4	1460.4	503.5	85.1	0.884	0.962	0.999	0.075	0.960	0.000	0.000	3.38	0.02
11	12.831	0.000	-3.708	0.925	978.2	1460.3	503.3	85.1	0.887	0.965	1.000	0.070	0.963	0.000	0.000	3.19	0.03
12	13.164	0.000	-3.708	0.926	978.7	1460.0	503.6	85.0	0.892	0.969	0.999	0.061	0.967	0.000	0.000	3.11	0.01
13	13.497	0.000	-3.708	0.928	980.3	1461.9	505.2	84.9	0.900	0.974	0.999	0.051	0.972	0.000	0.000	3.07	0.03
14	13.830	0.000	-3.708	0.928	980.3	1458.8	504.2	84.9	0.905	0.979	1.000	0.042	0.978	0.001	0.000	3.02	0.03
15	14.163	0.000	-3.708	0.924	976.5	1458.7	502.0	84.8	0.907	0.985	1.000	0.031	0.983	0.000	0.000	3.06	0.03
16	14.496	0.000	-3.708	0.927	980.0	1461.1	504.7	85.0	0.914	0.988	0.999	0.023	0.987	0.001	0.000	3.04	0.03
17	14.829	0.000	-3.708	0.928	980.6	1459.8	504.7	84.8	0.920	0.992	1.000	0.015	0.991	0.001	0.000	3.10	0.04
18	15.162	0.000	-3.708	0.926	978.4	1460.5	503.6	84.9	0.923	0.998	0.999	0.003	0.996	0.001	0.000	3.21	0.04
19	15.495	0.000	-3.708	0.928	980.4	1460.6	504.9	84.9	0.932	1.004	0.999	-0.009	1.002	0.001	0.000	3.29	0.03
20	15.828	0.000	-3.708	0.927	979.4	1460.6	503.1	85.1	0.930	1.012	1.000	-0.073	1.011	0.001	0.000	3.43	0.05
21	16.161	0.000	-3.708	0.927	980.0	1460.5	504.5	85.0	0.938	1.010	0.999	-0.072	1.011	0.001	0.000	3.56	0.04
22	16.494	0.000	-3.708	0.929	980.9	1460.5	504.5	84.8	0.939	1.009	1.000	-0.069	1.007	0.001	0.000	3.64	0.06
23	16.827	0.000	-3.708	0.927	979.2	1458.5	503.5	84.7	0.930	1.003	0.999	-0.068	1.001	0.001	0.000	3.62	0.06
24	17.160	0.000	-3.708	0.929	981.2	1459.0	504.9	84.7	0.932	1.003	0.999	-0.006	1.001	0.001	0.000	3.60	0.07
25	17.493	0.000	-3.708	0.928	980.3	1459.3	504.4	84.7	0.928	1.000	0.999	-0.001	0.998	0.001	0.000	3.55	0.08
26	17.826	0.000	-3.708	0.927	978.8	1458.3	503.3	84.5	0.926	0.999	1.000	0.000	0.997	0.001	0.000	3.52	0.07
27	18.159	0.000	-3.708	0.928	980.4	1458.6	504.3	84.6	0.925	0.997	1.000	0.005	0.995	0.001	0.000	3.47	0.06
28	18.492	0.000	-3.708	0.929	980.8	1459.5	504.9	84.6	0.922	0.994	0.999	0.010	0.992	0.001	0.000	3.47	0.06
29	18.825	0.000	-3.708	0.929	980.9	1458.1	504.4	84.6	0.923	0.995	1.000	0.011	0.993	0.001	0.000	3.43	0.06
30	19.158	0.000	-3.708	0.929	981.3	1458.7	504.8	84.6	0.922	0.993	0.999	0.013	0.991	0.001	0.000	3.37	0.06
31	19.491	0.000	-3.708	0.930	981.6	1458.8	505.1	84.5	0.920	0.991	0.999	0.015	0.990	0.001	0.000	3.32	0.07

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARMOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIG 26

ALFA 5.00

26

894

2.998

5.00

1403

5.01

PT

Q

TT

ML

VML/VW

PT/PT

CPD

UL/VW

VL/VW

AL/VW

AL

SWL

3

9.834

0.000

-2.958

0.924

976.9

1459.0

502.3

84.7

0.907

0.984

0.999

0.030

0.941

-0.000

0.077

4.46

-0.01

4

10.167

0.000

-2.958

0.925

977.5

1458.4

502.5

84.6

0.900

0.977

0.999

0.044

4.32

-0.01

5

10.500

0.000

-2.958

0.925

977.7

1458.5

502.7

84.5

0.894

0.971

1.000

0.056

0.968

-0.000

0.070

4.16

-0.01

6

10.833

0.000

-2.958

0.926

978.7

1458.8

503.3

84.7

0.888

0.964

0.999

0.070

0.962

-0.000

0.067

4.00

-0.02

7

11.166

0.000

-2.958

0.926

978.6

1459.4

503.4

84.9

0.881

0.958

0.999

0.082

0.956

0.000

0.063

3.77

0.01

8

11.499

0.000

-2.958

0.926

978.4

1460.0

503.5

84.8

0.878

0.955

1.000

0.089

0.954

-0.000

0.059

3.55

-0.01

9

11.832

0.000

-2.958

0.926

980.5

1459.6

504.6

84.8

0.877

0.952

0.999

0.094

0.951

-0.001

0.055

3.29

-0.02

10

12.165

0.000

-2.958

0.926

980.2

1458.6

504.1

84.7

0.875

0.950

0.999

0.097

0.949

-0.000

0.050

3.02

-0.01

11

12.499

0.000

-2.958

0.927

978.0

1460.2

504.0

84.6

0.874

0.951

0.999

0.095

0.950

0.000

0.054

2.65

-0.01

12

12.831

0.000

-2.958

0.927

979.0

1458.5

503.4

84.6

0.878

0.955

0.999

0.088

0.954

-0.000

0.050

2.33

-0.01

13

13.164

0.000

-2.958

0.925

977.2

1459.5

502.7

84.6

0.888

0.966

0.999

0.066

0.965

0.000

0.039

2.32

-0.01

14

13.497

0.000

-2.958

0.925

977.7

1458.9

502.9

84.4

0.897

0.974

0.999

0.050

0.973

0.000

0.030

2.33

-0.02

15

13.830

0.000

-2.958

0.926

978.1

1458.0

502.8

84.5

0.906

0.981

1.000

0.037

0.950

0.000

0.043

2.50

0.02

16

14.163

0.000

-2.958

0.927

978.6

1458.2

503.7

84.6

0.912

0.985

1.000

0.029

0.985

0.000

0.043

2.51

0.01

17

14.496

0.000

-2.958

0.927

979.5

1456.9

503.2

84.6

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.
AEC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL
ARLORD AIR FORCE STATION, TENNESSEE
TEST PART REX10-6 ALFA CONFIG 26
TC-532 895 2.998 5.00

DATE 2-22-78										AEDC PROPULSION WIND TUNNEL TRANSONIC 4T							
POINT	X	Y	Z	M	VM	PT	Q	Tf	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	S&D
8	9.834	0.000	-2.208	0.925	977.6	1460.1	502.9	85.1	0.904	0.981	1.000	0.038	0.979	-0.001	0.063	3.70	-0.05
9	10.167	0.000	-2.208	0.925	978.0	1460.8	503.4	85.1	0.896	0.973	1.000	0.054	0.971	-0.001	0.060	3.56	-0.05
10	10.500	0.000	-2.208	0.926	978.7	1460.5	503.8	85.0	0.887	0.963	0.999	0.071	0.962	-0.001	0.058	3.45	-0.07
11	10.833	0.000	-2.208	0.926	979.1	1460.9	504.1	85.1	0.879	0.956	0.999	0.087	0.954	-0.001	0.054	3.26	-0.07
12	11.166	0.000	-2.208	0.926	978.9	1459.4	503.5	85.0	0.872	0.950	1.000	0.100	0.948	-0.001	0.050	3.03	-0.07
13	11.499	0.000	-2.208	0.924	977.3	1460.3	502.9	85.0	0.866	0.945	0.999	0.107	0.944	-0.001	0.046	2.79	-0.05
14	11.832	0.000	-2.208	0.926	978.9	1461.1	504.0	85.1	0.863	0.941	0.999	0.114	0.940	-0.001	0.041	2.53	-0.05
15	12.165	0.000	-2.208	0.926	978.9	1460.5	503.9	85.0	0.859	0.937	0.999	0.124	0.936	-0.001	0.035	2.11	-0.06
16	12.498	0.000	-2.208	0.927	979.7	1461.5	504.7	85.0	0.850	0.928	0.999	0.143	0.927	-0.001	0.016	0.99	-0.03
17	12.831	0.000	-2.208	0.927	979.4	1460.4	504.1	85.0	0.858	0.936	0.999	0.126	0.936	-0.000	-0.001	-0.07	-0.02
18	13.164	0.000	-2.208	0.925	977.6	1460.0	502.9	85.0	0.888	0.965	1.000	0.068	0.965	-0.000	0.003	0.48	-0.03
19	13.497	0.000	-2.208	0.926	978.7	1461.4	504.0	85.0	0.905	0.980	0.999	0.038	0.980	-0.001	0.016	0.95	-0.06
20	13.830	0.000	-2.208	0.927	979.6	1460.2	504.1	85.1	0.913	0.987	0.999	0.024	0.987	-0.001	0.024	1.41	-0.06
21	14.163	0.000	-2.208	0.923	976.3	1460.7	502.3	85.1	0.910	0.991	0.999	0.018	0.990	-0.000	0.031	1.78	-0.01
22	14.496	0.000	-2.208	0.925	977.8	1460.1	503.1	85.0	0.910	0.986	1.000	0.028	0.986	-0.000	0.027	1.55	-0.02
23	14.829	0.000	-2.208	0.927	980.0	1461.2	504.7	85.1	0.922	0.996	0.999	0.007	0.995	-0.000	0.031	1.79	-0.01
24	15.162	0.000	-2.208	0.928	981.2	1460.7	505.2	85.2	0.933	1.004	1.000	-0.008	1.003	0.000	0.034	1.93	0.02
25	15.495	0.000	-2.208	0.928	980.6	1460.3	504.7	85.2	0.931	1.040	1.000	-0.080	1.038	0.001	0.046	2.66	0.04
26	15.828	0.000	-2.208	0.928	980.6	1460.9	504.9	85.1	0.933	1.059	1.000	-0.119	1.057	0.001	0.062	3.36	0.04
27	16.161	0.000	-2.208	0.928	980.6	1460.9	504.9	85.1	0.933	1.060	0.999	-0.122	1.058	0.001	0.077	5.17	0.04
28	16.494	0.000	-2.208	0.924	981.1	1462.1	505.6	85.1	0.923	0.985	0.999	0.008	0.993	0.001	0.059	3.38	0.05
29	16.827	0.000	-2.208	0.924	981.4	1460.5	505.5	85.2	0.920	0.982	0.999	0.015	0.990	0.001	0.051	2.95	0.07
30	17.160	0.000	-2.208	0.928	980.7	1461.0	505.1	85.0	0.926	0.998	0.999	0.002	0.997	0.001	0.045	2.81	0.06
31	17.493	0.000	-2.208	0.927	980.1	1460.5	504.6	85.0	0.928	1.001	0.999	-0.003	1.000	0.001	0.048	2.74	0.07
32	17.826	0.000	-2.208	0.927	981.9	1460.4	505.3	85.2	0.927	0.998	0.999	0.003	0.997	0.001	0.047	2.69	0.05
33	18.159	0.000	-2.208	0.929	981.5	1461.1	505.5	85.2	0.923	0.995	0.999	0.009	0.994	0.002	0.046	2.62	0.10
34	18.492	0.000	-2.208	0.928	980.9	1461.1	505.2	85.1	0.920	0.992	0.999	0.015	0.991	0.002	0.045	2.53	0.10
35	18.825	0.000	-2.208	0.928	980.6	1459.9	504.6	85.2	0.917	0.990	1.000	0.019	0.989	0.001	0.043	2.51	0.07
36	19.158	0.000	-2.208	0.930	982.2	1462.2	506.3	85.2	0.919	0.990	0.999	0.018	0.989	0.002	0.042	2.43	0.09
37	19.491	0.000	-2.208	0.929	981.3	1461.7	505.6	85.2	0.918	0.990	0.999	0.017	0.989	0.002	0.042	2.40	0.10

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 897 3.000 5.00 26 1405 5.00

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	W	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CDL	UL/VM	VL/VM	WL/VM	AAL	S&L
2	11.167	-0.750	-2.208	0.926	978.9	1400.4	503.7	85.1	0.870	0.948	0.999	0.102	0.946	-0.018	0.056	3.40	-1.10
3	12.300	-0.750	-2.208	0.925	981.3	1459.1	504.7	85.1	0.861	0.937	1.000	0.125	0.936	-0.021	0.033	2.03	-1.31
4	13.833	-0.750	-2.208	0.927	979.7	1459.7	504.0	85.1	0.908	0.983	1.000	0.034	0.982	-0.012	0.033	1.94	-0.70
6	15.166	-0.750	-2.208	0.924	977.1	1460.7	502.7	85.3	0.932	1.008	1.000	-0.016	1.007	-0.007	0.039	2.21	-0.41
8	16.499	-0.750	-2.208	0.928	980.4	1460.8	504.8	85.1	0.938	1.010	0.999	-0.020	1.008	-0.002	0.053	3.01	-0.11
10	17.832	-0.750	-2.208	0.928	980.3	1461.0	504.8	85.1	0.924	0.996	0.999	0.006	0.995	-0.011	0.050	2.86	-0.01
13	19.165	-0.750	-2.208	0.927	980.0	1460.5	504.3	85.3	0.913	0.987	0.999	0.025	0.986	-0.009	0.045	2.59	-0.54
15	20.498	-0.750	-2.208	0.927	980.1	1459.5	504.1	85.3	0.921	0.995	1.000	0.010	0.994	-0.008	0.042	2.43	-0.49

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARJ, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARABALD AIR FORCE STATION, TENNESSEE

TEST PART RELAT-5 ALPHA CONFIG

TC-332 900 3.003 0.00 26

SURVEY ALFAS
1401 0.00

DATE
2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SAL
6	9.834	0.750	-2.208	0.954	1003.8	1448.0	513.6	85.4	0.958	1.004	0.999	-0.009	1.004	-0.004	-0.007	-0.37	-0.22
7	10.500	0.750	-2.208	0.950	1000.5	1449.9	512.4	85.4	0.944	0.995	0.999	0.009	0.925	-0.004	-0.009	-0.54	-0.25
8	11.166	0.750	-2.208	0.951	1001.4	1448.6	512.4	85.5	0.939	0.990	0.999	0.019	0.990	-0.006	-0.012	-0.71	-0.34
9	11.832	0.750	-2.208	0.951	1002.0	1449.3	512.9	85.5	0.942	0.992	0.999	0.015	0.992	-0.006	-0.015	-0.84	-0.33
10	12.498	0.750	-2.208	0.953	1003.6	1449.0	513.8	85.4	0.934	0.993	0.999	0.033	0.982	0.000	-0.021	-1.22	-0.03
11	13.164	0.750	-2.208	0.955	1004.8	1448.3	514.2	85.4	0.963	1.007	0.999	-0.016	1.007	0.006	-0.025	-1.47	-0.34
12	13.830	0.750	-2.208	0.952	1002.5	1449.6	513.7	85.4	1.026	1.064	0.999	-0.131	1.064	-0.003	-0.018	-0.97	-0.15
13	14.496	0.750	-2.208	0.954	1004.2	1447.8	513.7	85.4	1.026	1.064	0.999	-0.131	1.064	-0.003	-0.018	-0.97	-0.15
14	15.162	0.750	-2.208	0.951	1001.5	1447.5	513.1	85.3	1.033	1.071	1.000	-0.143	1.071	-0.005	-0.006	-0.33	-0.29
15	15.828	0.750	-2.208	0.953	1003.5	1448.9	514.0	85.4	1.071	1.101	0.998	-0.205	1.101	-0.014	0.065	0.47	-0.72
16	16.494	0.750	-2.208	0.954	1004.1	1448.6	513.9	85.4	1.058	1.090	0.998	-0.183	1.090	-0.014	0.065	0.47	-0.72
17	17.160	0.750	-2.208	0.953	1002.9	1448.8	513.3	85.4	1.047	1.082	0.999	-0.166	1.082	-0.001	0.018	0.86	-0.04
18	17.826	0.750	-2.208	0.953	1003.1	1448.6	513.3	85.4	0.986	1.029	0.999	-0.061	1.029	0.002	0.018	0.91	0.10
19	18.492	0.750	-2.208	0.954	1004.4	1447.3	513.6	85.4	0.950	0.996	0.999	0.007	0.996	-0.001	-0.013	0.76	-0.03
20	19.158	0.750	-2.208	0.954	1003.8	1448.3	513.6	85.4	0.939	0.987	0.999	0.034	0.987	-0.002	0.010	0.58	-0.13
21	19.824	0.750	-2.208	0.953	1003.2	1449.2	513.6	85.4	0.941	0.990	0.998	0.018	0.990	-0.003	0.006	0.44	-0.15
22	19.824	0.750	-2.208	0.953	1003.2	1449.2	513.6	85.4	0.941	0.990	0.998	0.018	0.990	-0.003	0.006	0.44	-0.15

100

DATE 9-MAR-78 PROJECT NO P4IC-N0C

ARC, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG 26

TC-532 901 2.998 0.00

SURVEY ALFA 1402 0.00

DATE 2-22-78

AEC PROPULSION WIND TUNNEL
TRANSONIC 41

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ARL	SXL
4	9.634	0.000	-3.708	0.948	999.4	1448.7	511.3	85.5	0.959	1.009	0.999	-0.020	1.009	-0.003	-0.007	-0.37	-0.16
5	10.167	0.000	-3.708	0.949	999.8	1448.2	511.3	85.5	0.953	1.004	1.000	-0.008	1.004	-0.003	-0.007	-0.41	-0.15
6	10.500	0.000	-3.708	0.949	1000.1	1448.4	511.6	85.5	0.953	1.004	1.000	-0.003	1.004	-0.003	-0.009	-0.59	-0.17
7	10.833	0.000	-3.708	0.950	1001.0	1448.4	512.1	85.4	0.949	0.999	0.999	0.001	0.999	-0.003	-0.010	-0.57	-0.18
8	11.166	0.000	-3.708	0.951	1001.9	1449.1	512.9	85.4	0.949	0.998	0.999	0.002	0.998	-0.003	-0.011	-0.63	-0.18
9	11.499	0.000	-3.708	0.951	1001.5	1447.7	512.1	85.4	0.949	0.998	1.000	0.004	0.998	-0.003	-0.012	-0.69	-0.18
10	11.832	0.000	-3.708	0.952	1002.9	1449.6	513.6	85.5	0.951	0.999	1.000	0.002	0.999	-0.003	-0.013	-0.77	-0.17
11	12.165	0.000	-3.708	0.953	1003.4	1448.7	513.5	85.5	0.952	0.999	0.999	0.000	0.999	-0.003	-0.015	-0.85	-0.17
12	12.498	0.000	-3.708	0.951	1002.0	1448.2	512.5	85.5	0.952	1.000	1.000	-0.001	1.000	-0.003	-0.017	-0.98	-0.17
13	12.831	0.000	-3.708	0.954	1003.9	1449.6	514.1	85.5	0.957	1.003	0.999	-0.007	1.003	-0.003	-0.019	-1.08	-0.16
14	13.164	0.000	-3.708	0.950	1000.7	1447.9	511.7	85.5	0.964	1.012	0.999	-0.025	1.012	-0.003	-0.019	-1.07	-0.17
15	13.497	0.000	-3.708	0.951	1001.0	1447.6	512.0	85.1	0.979	1.025	1.000	-0.050	1.025	-0.003	-0.017	-0.96	-0.15
16	13.830	0.000	-3.708	0.952	1002.2	1448.8	512.1	85.4	0.995	1.038	1.000	-0.077	1.038	-0.003	-0.015	-0.82	-0.17
17	14.163	0.000	-3.708	0.949	1000.2	1448.5	511.7	85.4	1.002	1.047	1.000	-0.094	1.047	-0.003	-0.012	-0.68	-0.15
18	14.496	0.000	-3.708	0.950	1000.7	1447.6	511.7	85.4	1.003	1.047	1.000	-0.103	1.047	-0.003	-0.010	-0.57	-0.15
19	14.829	0.000	-3.708	0.951	1001.9	1447.9	512.4	85.5	1.010	1.051	1.000	-0.103	1.051	-0.003	-0.009	-0.47	-0.15
20	15.162	0.000	-3.708	0.953	1003.6	1449.1	513.8	85.4	1.019	1.057	1.000	-0.115	1.057	-0.003	-0.008	-0.35	-0.14
21	15.495	0.000	-3.708	0.954	1003.9	1449.0	513.9	85.5	1.034	1.070	0.999	-0.142	1.070	-0.002	-0.002	-0.11	-0.12
22	15.828	0.000	-3.708	0.947	997.9	1448.2	510.3	85.5	1.043	1.084	0.999	-0.169	1.084	-0.003	0.005	0.24	-0.13
23	16.161	0.000	-3.708	0.953	1003.9	1448.7	513.7	85.6	1.060	1.092	1.000	-0.185	1.092	-0.003	0.012	0.63	-0.15
24	16.494	0.000	-3.708	0.952	1002.5	1449.5	513.3	85.4	1.056	1.090	0.999	-0.181	1.090	-0.003	0.015	0.41	-0.15
25	16.827	0.000	-3.708	0.953	1003.5	1448.9	513.7	85.4	1.036	1.074	0.999	-0.149	1.074	-0.002	0.017	0.90	-0.13
26	17.160	0.000	-3.708	0.954	1003.9	1446.7	513.1	85.4	1.029	1.065	1.000	-0.131	1.065	-0.003	0.016	0.88	-0.14
27	17.493	0.000	-3.708	0.951	1001.7	1447.7	512.2	85.5	0.996	1.039	1.000	-0.079	1.039	-0.003	0.016	0.89	-0.14
28	17.826	0.000	-3.708	0.954	1004.5	1449.3	514.3	85.6	0.983	1.025	1.000	-0.051	1.025	-0.003	0.015	0.82	-0.15
29	18.159	0.000	-3.708	0.951	1001.4	1446.3	512.3	85.5	0.963	1.011	1.000	-0.023	1.011	-0.003	0.013	0.74	-0.15
30	18.492	0.000	-3.708	0.953	1003.4	1448.7	513.5	85.5	0.957	1.003	1.000	-0.007	1.003	-0.003	0.012	0.67	-0.15
31	18.825	0.000	-3.708	0.951	1001.7	1449.6	512.9	85.5	0.952	1.001	0.999	-0.003	1.001	-0.002	0.010	0.56	-0.14
32	19.158	0.000	-3.708	0.952	1002.9	1447.4	512.7	85.6	0.948	0.996	1.000	0.008	0.996	-0.003	0.009	0.50	-0.15
33	19.491	0.000	-3.708	0.949	1000.0	1448.9	511.7	85.5	0.945	0.996	0.999	0.006	0.996	-0.003	0.007	0.41	-0.15

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-B ALPHA CONFIG SURVEY ALFAS

IC-532 902 3.000 0.00 26 1403 0.00

DATE 2-22-78 AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	WML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	APL	SPL
2	9.434	0.000	-2.958	0.951	1001.7	1447.8	512.3	85.4	0.959	1.007	1.000	-0.014	1.007	-0.002	-0.006	-0.34	-0.14
3	10.167	0.000	-2.958	0.953	1003.2	1449.2	513.6	85.4	0.955	1.002	0.999	-0.004	1.002	-0.003	-0.007	-0.41	-0.15
4	10.500	0.000	-2.958	0.949	1000.2	1448.7	511.7	85.5	0.948	0.999	0.999	0.001	0.999	-0.003	-0.009	-0.49	-0.16
5	10.833	0.000	-2.958	0.949	1000.0	1448.0	511.4	85.5	0.944	0.995	1.000	0.009	0.995	-0.002	-0.009	-0.54	-0.13
6	11.166	0.000	-2.958	0.951	1001.1	1449.2	512.5	85.4	0.945	0.995	0.999	0.009	0.995	-0.003	-0.011	-0.64	-0.17
7	11.499	0.000	-2.958	0.951	1001.8	1449.3	513.8	85.6	0.945	0.994	0.999	0.009	0.994	-0.003	-0.012	-0.71	-0.18
8	11.832	0.000	-2.958	0.951	1002.0	1447.6	512.3	85.6	0.944	0.994	1.000	0.012	0.994	-0.003	-0.013	-0.77	-0.17
9	12.165	0.000	-2.958	0.952	1002.8	1449.3	513.4	85.5	0.947	0.995	1.000	0.009	0.995	-0.003	-0.015	-0.89	-0.16
10	12.498	0.000	-2.958	0.952	1003.1	1448.0	513.0	85.7	0.942	0.991	0.999	0.018	0.990	-0.003	-0.020	-1.13	-0.15

DATE 9-MAR-78 PROJECT NO P41C-NOC

AEC, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARMED AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 903 3.004 0.00 26

CONFIG SURVEY ALFAS

DATE 2-22-78

AEC PROPULSION WIND TUNNEL
TRANSDUC 41

POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SKL
9	12.831	0.000	-2.958	0.954	1004.0	1448.6	514.1	85.6	0.945	0.992	0.999	0.014	0.992	-0.003	-0.024	-1.37	-0.16
10	13.104	0.000	-2.958	0.947	998.1	1448.1	510.3	85.5	0.980	1.012	1.000	-0.024	1.012	-0.003	-0.024	-1.34	-0.17
11	13.497	0.000	-2.958	0.949	1000.3	1448.9	511.8	85.6	0.989	1.035	0.999	-0.071	1.035	-0.003	-0.020	-1.10	-0.16
12	13.830	0.000	-2.958	0.950	1001.2	1449.0	512.3	85.6	1.010	1.052	1.000	-0.105	1.052	-0.003	-0.015	-0.84	-0.15
13	14.163	0.000	-2.958	0.951	1002.1	1448.2	512.6	85.6	1.015	1.058	0.999	-0.112	1.058	-0.003	-0.012	-0.84	-0.15
14	14.496	0.000	-2.958	0.953	1003.9	1448.8	513.8	85.7	1.013	1.052	0.999	-0.106	1.052	-0.003	-0.010	-0.55	-0.14
17	14.829	0.000	-2.958	0.951	1001.7	1448.5	512.4	85.7	1.019	1.059	1.000	-0.120	1.059	-0.003	-0.008	-0.41	-0.14
18	15.162	0.000	-2.958	0.952	1002.8	1448.5	513.4	85.5	1.029	1.087	0.999	-0.135	1.087	-0.002	-0.005	-0.28	-0.12
19	15.495	0.000	-2.958	0.953	1003.8	1448.1	513.5	85.7	1.043	1.078	1.000	-0.158	1.078	-0.002	0.001	0.07	-0.11
20	15.828	0.000	-2.958	0.952	1002.6	1448.7	513.3	85.7	1.058	1.092	0.999	-0.186	1.092	-0.002	0.010	0.51	-0.12
21	16.161	0.000	-2.958	0.951	1001.8	1448.7	513.5	85.7	1.056	1.100	0.999	-0.201	1.100	-0.003	0.019	0.98	-0.13
22	16.494	0.000	-2.958	0.953	1003.5	1448.8	513.5	85.7	1.052	1.086	0.999	-0.174	1.086	-0.003	0.019	1.01	-0.14
24	16.827	0.000	-2.958	0.951	1001.6	1448.9	512.6	85.6	1.030	1.069	0.999	-0.140	1.069	-0.002	0.017	0.93	-0.11
25	17.160	0.000	-2.958	0.952	1002.5	1448.0	512.7	85.7	1.026	1.065	0.999	-0.131	1.065	-0.002	0.017	0.93	-0.12
26	17.493	0.000	-2.958	0.950	1001.2	1449.2	512.4	85.7	1.038	1.051	1.000	-0.102	1.051	-0.002	0.016	0.88	-0.11
27	17.826	0.000	-2.958	0.951	1001.9	1449.0	512.7	85.7	0.975	1.021	1.000	-0.043	1.021	-0.002	0.015	0.66	-0.10
28	18.159	0.000	-2.958	0.953	1003.7	1448.4	513.5	85.7	0.983	1.009	0.999	-0.019	1.009	-0.002	0.014	0.80	-0.12
29	18.492	0.000	-2.958	0.953	1003.4	1448.8	513.4	85.7	0.954	1.001	1.000	-0.002	1.001	-0.002	0.012	0.71	-0.12
30	18.825	0.000	-2.958	0.952	1002.5	1447.0	512.3	85.7	0.945	0.994	1.000	0.011	0.994	-0.002	0.011	0.64	-0.11
31	19.158	0.000	-2.958	0.949	1000.4	1448.3	511.6	85.7	0.941	0.993	0.999	0.014	0.993	-0.002	0.009	0.51	-0.11
32	19.491	0.000	-2.958	0.953	1003.5	1448.3	513.3	85.7	0.942	0.991	0.999	0.017	0.991	-0.002	0.008	0.45	-0.13

DATE 9-MAR-78 PROJECT NO P41C-N0C

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARLORD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 904 2.999 0.00 26

DATE 2-22-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	N	VW	PT	Q	TT	ML	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	RL/VW	AAL	SWL
7	9.834	0.000	-2.208	0.950	1000.5	1449.3	512.0	85.7	0.958	1.008	0.999	-0.016	1.008	-0.003	-0.006	-0.33	-0.15
8	10.167	0.000	-2.208	0.951	1001.7	1450.6	513.1	85.7	0.950	0.999	0.999	-0.001	0.999	-0.003	-0.006	-0.37	-0.13
9	10.500	0.000	-2.208	0.951	1002.2	1449.7	513.1	85.7	0.947	0.999	0.999	0.006	0.996	-0.003	-0.008	-0.44	-0.12
10	10.833	0.000	-2.208	0.951	1001.8	1448.0	512.3	85.7	0.942	0.992	0.999	0.016	0.992	-0.003	-0.009	-0.51	-0.19
11	11.166	0.000	-2.208	0.952	1002.6	1449.1	513.1	85.7	0.942	0.991	0.999	0.015	0.991	-0.003	-0.010	-0.60	-0.19
12	11.499	0.000	-2.208	0.953	1003.3	1448.1	513.6	85.6	0.943	0.992	0.999	0.015	0.992	-0.003	-0.011	-0.65	-0.18
13	11.832	0.000	-2.208	0.953	1003.2	1448.8	513.3	85.7	0.943	0.991	0.999	0.015	0.991	-0.003	-0.012	-0.72	-0.18
14	12.165	0.000	-2.208	0.952	1002.8	1448.6	513.1	85.8	0.941	0.990	0.999	0.018	0.990	-0.003	-0.014	-0.84	-0.17
15	12.498	0.000	-2.208	0.953	1003.2	1449.5	513.5	85.7	0.923	0.974	0.999	0.051	0.974	-0.003	-0.026	-1.56	-0.17
16	12.831	0.000	-2.208	0.949	1000.0	1448.3	511.4	85.6	0.910	0.955	0.999	0.070	0.963	-0.002	-0.049	-2.54	-0.15
17	13.164	0.000	-2.208	0.950	1000.8	1448.0	511.7	85.7	0.975	1.022	0.999	-0.046	1.022	-0.003	-0.040	-4.13	-0.13
18	13.497	0.000	-2.208	0.951	1002.2	1449.3	512.9	85.7	1.029	1.068	0.999	-0.138	1.068	-0.005	-0.028	-1.53	-0.09
19	13.830	0.000	-2.208	0.952	1002.5	1447.9	512.7	85.6	1.038	1.075	0.999	-0.152	1.075	-0.005	-0.020	-1.66	-0.08
20	14.163	0.000	-2.208	0.952	1003.0	1448.4	513.2	85.6	1.038	1.074	1.000	-0.149	1.074	-0.005	-0.011	-0.59	-0.05
21	14.496	0.000	-2.208	0.951	1001.3	1448.5	512.2	85.6	0.999	1.043	1.000	-0.087	1.043	-0.003	-0.015	-0.82	-0.18
22	14.829	0.000	-2.208	0.953	1003.1	1448.0	513.1	85.5	1.030	1.067	0.999	-0.136	1.067	-0.004	-0.007	-0.34	-0.10
23	15.162	0.000	-2.208	0.954	1003.9	1448.7	513.8	85.5	1.037	1.073	0.999	-0.147	1.073	-0.003	-0.004	-0.22	-0.07
24	15.495	0.000	-2.208	0.951	1001.7	1449.6	512.9	85.6	1.071	1.104	0.999	-0.210	1.104	-0.003	-0.010	-0.53	-0.19
25	15.828	0.000	-2.208	0.952	1002.4	1447.8	512.5	85.7	1.069	1.118	0.999	-0.237	1.118	-0.004	-0.023	-1.42	-0.11
26	16.161	0.000	-2.208	0.950	1000.4	1448.3	511.7	85.6	1.048	1.127	0.998	-0.257	1.126	-0.006	-0.047	-2.40	-0.08
27	16.494	0.000	-2.208	0.952	1002.5	1448.3	512.8	85.7	1.049	1.085	0.998	-0.172	1.084	-0.004	-0.034	-1.81	-0.42
28	16.827	0.000	-2.208	0.953	1003.7	1448.2	513.4	85.7	1.044	1.079	0.999	-0.160	1.079	-0.003	-0.022	-1.19	-0.05
29	17.160	0.000	-2.208	0.949	1000.5	1449.8	512.2	85.7	1.059	1.095	0.999	-0.192	1.095	-0.002	-0.020	-1.07	-0.05
30	17.493	0.000	-2.208	0.948	999.5	1449.0	511.3	85.8	1.019	1.062	0.999	-0.125	1.062	-0.002	-0.020	-1.09	-0.12
31	17.826	0.000	-2.208	0.950	1001.3	1448.1	512.0	85.7	0.991	1.035	0.999	-0.073	1.035	-0.002	-0.019	-1.04	-0.10
32	18.159	0.000	-2.208	0.952	1003.2	1449.5	513.6	85.7	0.976	1.020	0.999	-0.043	1.020	-0.002	-0.017	-0.95	-0.11
33	18.492	0.000	-2.208	0.954	1004.9	1449.4	514.5	85.7	0.961	1.006	0.998	-0.015	1.006	-0.002	-0.015	-0.87	-0.15
34	18.825	0.000	-2.208	0.952	1002.3	1449.7	513.1	85.7	0.951	0.999	0.998	-0.001	0.999	-0.002	-0.014	-0.80	-0.13
35	19.158	0.000	-2.208	0.952	1002.8	1448.1	513.0	85.4	0.949	0.997	0.999	0.004	0.997	-0.002	-0.012	-0.72	-0.11
40	19.491	0.000	-2.208	0.954	1004.5	1448.5	514.1	85.4	0.951	0.997	0.999	0.004	0.997	-0.003	-0.011	-0.55	-0.15

TEST		PART		REX10-6		ALFA		CONFIG		SURVEY		ALFAS		DATE		AEDC PROPULSION WIND TUNNEL							
TC-532		905		3.001		0.00		26		1405		0.00		2-22-78		TRANSONIC 4T							
POINT	X	Y	Z	M	VM	PT	Q	TT	ML	VML/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL						
5	9.834	-0.750	-2.208	0.953	1002.9	1447.6	512.9	85.4	0.955	1.002	0.999	-0.005	1.002	-0.002	-0.005	-0.31	-0.14						
7	11.167	-0.750	-2.208	0.951	1001.6	1448.6	512.5	85.4	0.942	0.992	1.000	0.016	0.992	-0.001	-0.011	-0.66	-0.07						
8	12.500	-0.750	-2.208	0.952	1002.3	1449.3	513.2	85.4	0.934	0.984	0.999	0.030	0.984	-0.007	-0.019	-1.13	-0.38						
10	13.833	-0.750	-2.208	0.950	1000.7	1448.4	511.9	85.5	1.030	1.070	0.999	-0.142	1.070	-0.003	-0.016	-0.43	-0.14						
11	15.166	-0.750	-2.208	0.934	1004.0	1448.4	513.8	85.4	1.035	1.071	0.999	-0.142	1.071	0.001	-0.207	-0.36	0.01						
13	16.499	-0.750	-2.208	0.950	1000.6	1449.3	512.2	85.4	1.055	1.091	0.999	-0.185	1.091	0.009	0.017	0.88	0.45						

DATE 9-MAR-78 PROJECT NO P4IC-N0C

ARG, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA

IC-532 558 2.998 0.00 24

SURVEY ALFAS
1601 0.02

DATE
2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SRTL
6	-6.000	0.000-14.142	0.923	971.6	1441.7	495.9	79.7	0.924	0.924	1.000	1.000	-0.001	1.000	-0.000	0.004	0.24	-0.02
7	-5.000	0.000-14.142	0.925	973.3	1443.1	497.2	80.0	0.930	0.930	1.005	0.999	-0.010	1.005	-0.000	0.003	0.19	-0.03
8	-4.000	0.000-14.142	0.923	972.0	1443.0	496.4	80.0	0.926	0.926	1.003	0.999	-0.007	1.003	-0.001	0.003	0.16	-0.03
9	-3.000	0.000-14.142	0.923	971.7	1443.4	496.4	80.0	0.924	0.924	1.000	0.999	-0.003	1.000	-0.001	0.003	0.16	-0.03
10	-2.000	0.000-14.142	0.926	973.8	1442.2	497.2	79.9	0.928	0.928	1.003	1.000	-0.005	1.003	-0.000	0.002	0.11	-0.02
11	-1.000	0.000-14.142	0.925	973.2	1443.4	497.2	80.0	0.927	0.927	1.002	0.999	-0.007	1.002	-0.001	0.001	0.07	-0.05
12	0.000	0.000-14.142	0.922	971.0	1443.7	496.1	79.9	0.925	0.925	1.002	0.999	-0.006	1.002	-0.001	0.001	0.04	-0.03
13	1.000	0.000-14.142	0.923	971.2	1442.4	495.8	79.9	0.923	0.923	1.001	0.999	-0.003	1.001	-0.000	0.000	-0.03	-0.02
14	2.000	0.000-14.142	0.923	971.5	1443.3	496.3	79.9	0.928	0.928	1.005	0.999	-0.010	1.005	-0.001	0.002	-0.09	-0.04
15	3.000	0.000-14.142	0.926	974.0	1441.9	497.3	79.8	0.932	0.932	1.005	0.999	-0.012	1.005	-0.001	0.002	-0.13	-0.04
16	4.000	0.000-14.142	0.923	971.2	1443.0	496.1	79.8	0.931	0.931	1.007	0.999	-0.016	1.007	-0.001	0.003	-0.18	-0.04
17	5.000	0.000-14.142	0.924	972.0	1443.3	495.7	79.7	0.931	0.931	1.007	1.000	-0.014	1.007	-0.001	0.002	-0.14	-0.04
18	6.000	0.000-14.142	0.923	971.3	1442.5	495.9	79.8	0.934	0.934	1.010	0.999	-0.022	1.010	-0.001	0.003	-0.18	-0.03
19	7.000	0.000-14.142	0.923	971.0	1442.5	495.8	79.8	0.934	0.934	1.011	0.999	-0.023	1.011	-0.000	0.003	-0.14	-0.03
20	8.000	0.000-14.142	0.927	974.4	1442.8	497.9	79.7	0.938	0.938	1.010	0.999	-0.022	1.010	-0.001	0.002	-0.14	-0.03
21	9.000	0.000-14.142	0.926	974.1	1443.1	497.8	79.8	0.937	0.937	1.010	0.999	-0.021	1.010	-0.000	0.002	-0.14	-0.02
22	10.000	0.000-14.142	0.925	973.7	1443.0	497.4	79.9	0.934	0.934	1.008	0.999	-0.018	1.008	-0.001	0.002	-0.13	-0.04
23	11.000	0.000-14.142	0.925	973.2	1442.9	497.2	79.8	0.934	0.934	1.008	0.999	-0.017	1.008	-0.000	0.002	-0.13	-0.02
24	12.000	0.000-14.142	0.925	973.5	1441.4	496.8	79.9	0.934	0.934	1.008	1.000	-0.015	1.008	-0.000	0.002	-0.12	-0.02
25	13.000	0.000-14.142	0.925	973.4	1442.3	497.0	79.9	0.937	0.937	1.011	0.999	-0.024	1.011	-0.000	0.002	-0.10	-0.01
26	14.000	0.000-14.142	0.925	974.4	1442.5	497.7	79.8	0.944	0.944	1.016	1.000	-0.032	1.016	-0.000	0.001	-0.05	-0.01
27	15.000	0.000-14.142	0.928	975.6	1443.1	498.6	79.9	0.945	0.945	1.016	0.999	-0.034	1.016	-0.000	0.001	0.04	-0.01
28	16.000	0.000-14.142	0.926	974.5	1443.2	498.3	80.0	0.945	0.945	1.017	0.999	-0.036	1.017	-0.000	0.003	0.17	-0.03
29	17.000	0.000-14.142	0.927	975.4	1444.0	498.8	79.9	0.946	0.946	1.017	0.999	-0.036	1.017	-0.000	0.005	0.26	0.00
30	18.000	0.000-14.142	0.924	972.4	1442.2	496.4	80.0	0.936	0.936	1.011	0.999	-0.024	1.011	-0.000	0.006	0.35	-0.03
31	19.000	0.000-14.142	0.926	974.4	1443.2	497.9	80.0	0.939	0.939	1.012	1.000	-0.024	1.012	-0.000	0.007	0.40	-0.01
32	20.000	0.000-14.142	0.927	975.1	1442.3	498.0	80.0	0.931	0.931	1.004	0.999	-0.009	1.004	-0.001	0.007	0.40	-0.01
33	21.000	0.000-14.142	0.924	972.0	1442.8	496.4	80.0	0.931	0.931	1.007	0.999	-0.016	1.007	-0.001	0.007	0.41	-0.03
34	22.000	0.000-14.142	0.928	976.1	1442.9	498.8	80.0	0.937	0.937	1.008	0.999	-0.017	1.008	-0.001	0.007	0.40	-0.05
35	23.000	0.000-14.142	0.928	973.7	1442.1	497.2	79.9	0.934	0.934	1.008	1.000	-0.017	1.008	-0.001	0.007	0.41	-0.06
36	24.000	0.000-14.142	0.927	975.1	1442.5	498.1	79.9	0.936	0.936	1.009	1.000	-0.018	1.009	-0.001	0.008	0.43	-0.07

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARLORD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-332 559 3.002 0.00 24 1602 0.02

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	0.927	975.1	1443.3	498.3	80.1	0.928	1.002	0.999	-0.004	1.001	0.003	0.002	0.10	0.18
3	-5.000	14.142	0.000	0.926	974.5	1442.2	497.6	80.0	0.928	1.002	1.000	-0.003	1.002	0.003	0.001	0.08	0.18
4	-4.000	14.142	0.000	0.926	974.8	1443.6	498.2	80.1	0.927	1.001	0.999	-0.003	1.001	0.003	0.002	0.09	0.18
5	-3.000	14.142	0.000	0.924	972.2	1443.3	498.6	80.1	0.924	1.000	0.999	-0.001	1.000	0.004	0.001	0.07	0.24
6	-2.000	14.142	0.000	0.924	972.6	1443.1	497.1	80.0	0.925	1.001	0.999	-0.002	1.000	0.004	0.001	0.08	0.25
7	-1.000	14.142	0.000	0.924	972.3	1442.4	496.4	80.0	0.924	1.000	0.999	-0.001	1.000	0.005	0.001	0.07	0.30
8	0.000	14.142	0.000	0.923	971.1	1442.7	495.8	80.0	0.923	1.001	1.000	-0.001	1.001	0.006	0.001	0.06	0.32
9	1.000	14.142	0.000	0.926	974.3	1443.6	497.9	80.1	0.928	1.002	0.999	-0.005	1.002	0.007	0.001	0.05	0.38
10	2.000	14.142	0.000	0.925	973.1	1442.4	496.9	80.0	0.928	1.003	1.000	-0.005	1.003	0.007	0.001	0.06	0.40
11	3.000	14.142	0.000	0.926	973.9	1443.7	497.8	79.9	0.931	1.005	0.999	-0.010	1.005	0.008	0.001	0.04	0.46
12	4.000	14.142	0.000	0.926	974.1	1442.9	497.5	80.1	0.932	1.005	0.999	-0.012	1.005	0.008	0.001	0.05	0.46
13	5.000	14.142	0.000	0.926	974.4	1444.0	498.1	80.1	0.933	1.007	0.999	-0.014	1.007	0.008	0.001	0.03	0.48
14	6.000	14.142	0.000	0.926	974.6	1442.4	497.8	79.9	0.934	1.007	0.999	-0.015	1.007	0.008	0.001	0.03	0.44
15	7.000	14.142	0.000	0.928	976.0	1443.5	498.9	80.0	0.937	1.009	1.000	-0.018	1.009	0.008	0.001	0.04	0.43
16	8.000	14.142	0.000	0.924	972.7	1442.0	495.5	80.0	0.931	1.007	1.000	-0.014	1.007	0.007	0.000	0.02	0.60
17	9.000	14.142	0.000	0.925	973.6	1442.8	497.3	80.0	0.933	1.007	1.000	-0.013	1.007	0.007	0.000	0.01	0.38
18	10.000	14.142	0.000	0.927	975.2	1443.2	498.4	80.0	0.933	1.005	0.999	-0.012	1.005	0.007	0.000	0.01	0.39
19	11.000	14.142	0.000	0.928	976.3	1443.2	499.0	80.0	0.935	1.006	0.999	-0.013	1.006	0.007	0.000	0.00	0.39
20	12.000	14.142	0.000	0.924	972.6	1443.2	498.8	80.0	0.933	1.008	1.000	-0.016	1.008	0.007	0.000	0.01	0.39
21	13.000	14.142	0.000	0.928	976.1	1443.8	499.0	80.1	0.938	1.009	0.999	-0.019	1.009	0.007	0.000	0.00	0.41
22	14.000	14.142	0.000	0.927	974.8	1443.0	498.1	79.9	0.941	1.013	0.999	-0.027	1.013	0.006	-0.000	-0.00	0.37
23	15.000	14.142	0.000	0.923	971.1	1441.9	495.6	79.8	0.939	1.015	1.000	-0.030	1.015	0.005	-0.001	-0.04	0.27
24	16.000	14.142	0.000	0.929	977.1	1443.5	499.6	80.0	0.951	1.020	0.999	-0.041	1.020	0.003	-0.001	-0.05	0.12
25	17.000	14.142	0.000	0.927	975.2	1442.2	498.0	80.0	0.946	1.017	1.000	-0.035	1.017	0.000	-0.002	-0.06	0.02
26	18.000	14.142	0.000	0.928	976.4	1443.1	498.9	80.1	0.948	1.018	1.000	-0.035	1.018	-0.002	-0.002	-0.09	-0.09
27	19.000	14.142	0.000	0.928	976.4	1443.8	499.2	80.0	0.941	1.011	1.000	-0.023	1.011	-0.002	-0.002	-0.12	-0.12
28	20.000	14.142	0.000	0.928	976.4	1442.5	498.8	80.0	0.938	1.009	1.000	-0.019	1.009	-0.002	-0.002	-0.13	-0.12
29	21.000	14.142	0.000	0.928	975.9	1442.2	498.4	79.9	0.935	1.006	1.000	-0.013	1.006	-0.002	-0.002	-0.12	-0.09
30	22.000	14.142	0.000	0.926	974.3	1442.0	497.4	80.0	0.932	1.006	1.000	-0.012	1.006	-0.001	-0.001	-0.12	-0.06
32	23.000	14.142	0.000	0.922	971.0	1441.9	495.5	80.0	0.927	1.005	1.000	-0.009	1.005	-0.001	-0.001	-0.13	-0.05
33	24.000	14.142	0.000	0.930	977.5	1443.7	499.9	80.0	0.937	1.007	0.999	-0.015	1.007	-0.001	-0.002	-0.14	-0.06

DATE 9-MAR-78 PROJECT NO P4JC-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART HEX10-6 ALFA CONFIG SURVEY ALFAS

TC-532 562 2.998 2.00 24 1601 0.02

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VWL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	ATL	SWTL
7	-6.000	0.000-14.142	0.924	0.924	972.2	1442.4	496.4	79.9	0.929	1.005	1.000	-0.010	1.005	0.000	0.004	0.22	0.00
8	-5.000	0.000-14.142	0.922	0.922	970.7	1442.0	495.4	79.9	0.925	1.003	0.999	-0.007	1.003	-0.000	0.003	0.20	-0.02
9	-4.000	0.000-14.142	0.924	0.924	972.7	1442.7	496.8	79.8	0.927	1.003	0.999	-0.007	1.003	-0.000	0.003	0.18	-0.01
10	-3.000	0.000-14.142	0.921	0.921	970.0	1441.1	494.7	79.8	0.923	1.002	0.999	-0.005	1.002	-0.000	0.002	0.12	-0.02
11	-2.000	0.000-14.142	0.924	0.924	972.1	1442.3	496.3	79.9	0.926	1.002	0.999	-0.006	1.002	-0.000	0.002	0.10	-0.01
12	-1.000	0.000-14.142	0.926	0.926	974.4	1442.7	497.7	79.9	0.927	1.002	0.999	-0.006	1.002	-0.000	0.002	0.06	-0.02
13	0.000	0.000-14.142	0.924	0.924	972.3	1443.4	496.8	79.9	0.927	1.003	0.999	-0.008	1.003	-0.000	0.001	0.06	-0.02
14	1.000	0.000-14.142	0.927	0.927	974.9	1442.8	498.0	80.0	0.930	1.003	0.999	-0.009	1.003	-0.000	0.001	0.06	-0.02
15	2.000	0.000-14.142	0.923	0.923	971.5	1443.8	496.5	79.9	0.929	1.005	0.999	-0.012	1.005	-0.000	0.001	0.06	-0.01
16	3.000	0.000-14.142	0.924	0.924	972.1	1442.3	496.3	79.9	0.927	1.003	0.999	-0.007	1.003	-0.000	0.002	0.10	-0.02
17	4.000	0.000-14.142	0.923	0.923	971.1	1442.5	495.8	79.9	0.931	1.008	1.000	-0.017	1.006	-0.000	0.003	0.17	-0.01
20	5.000	0.000-14.142	0.928	0.928	976.3	1443.4	499.1	80.0	0.938	1.009	0.999	-0.018	1.009	-0.000	0.003	0.16	-0.03
21	6.000	0.000-14.142	0.926	0.926	973.9	1443.0	497.5	80.1	0.936	1.010	0.999	-0.020	1.010	-0.000	0.003	0.18	-0.01
22	7.000	0.000-14.142	0.924	0.924	972.2	1443.9	496.8	80.0	0.934	1.009	0.999	-0.020	1.009	-0.000	0.003	0.19	-0.00
23	8.000	0.000-14.142	0.924	0.924	972.3	1443.6	496.8	80.0	0.933	1.009	0.999	-0.019	1.009	-0.000	0.003	0.18	-0.02
24	9.000	0.000-14.142	0.922	0.922	970.7	1442.2	495.4	80.0	0.929	1.006	0.999	-0.014	1.006	-0.001	0.003	0.17	-0.03
25	10.000	0.000-14.142	0.928	0.928	976.2	1443.5	499.0	80.0	0.934	1.005	0.999	-0.013	1.005	-0.000	0.003	0.21	-0.01
26	11.000	0.000-14.142	0.927	0.927	975.0	1443.2	498.3	80.0	0.933	1.006	0.999	-0.012	1.006	-0.000	0.004	0.21	0.01
27	12.000	0.000-14.142	0.928	0.928	976.0	1442.6	498.7	80.0	0.934	1.006	0.999	-0.013	1.006	-0.000	0.004	0.20	0.00
28	13.000	0.000-14.142	0.926	0.926	974.6	1442.9	497.9	79.9	0.934	1.007	0.999	-0.016	1.007	-0.000	0.004	0.21	0.03
29	14.000	0.000-14.142	0.925	0.925	973.1	1442.5	497.3	80.0	0.938	1.013	0.999	-0.026	1.013	-0.000	0.004	0.21	0.00
31	15.000	0.000-14.142	0.926	0.926	973.9	1443.2	497.6	80.0	0.936	1.010	0.999	-0.021	1.010	-0.000	0.002	0.13	0.02
32	16.000	0.000-14.142	0.928	0.928	975.8	1442.6	498.5	79.9	0.943	1.014	0.999	-0.029	1.014	-0.000	0.001	0.08	0.03
34	17.000	0.000-14.142	0.928	0.928	976.4	1444.1	499.3	80.1	0.940	1.010	0.999	-0.023	1.010	-0.000	0.001	0.06	0.03
35	18.000	0.000-14.142	0.927	0.927	975.7	1443.3	498.6	80.1	0.943	1.014	0.999	-0.030	1.010	-0.000	0.001	0.01	0.02
39	19.000	0.000-14.142	0.927	0.927	974.8	1443.2	498.1	80.0	0.943	1.014	0.999	-0.030	1.014	-0.000	0.001	0.07	0.01
41	20.000	0.000-14.142	0.923	0.923	971.6	1442.5	495.9	80.1	0.930	1.008	0.999	-0.017	1.008	-0.000	0.002	0.09	0.01
43	21.000	0.000-14.142	0.921	0.921	969.9	1442.8	495.2	79.9	0.927	1.005	0.999	-0.012	1.005	-0.000	0.002	0.09	0.01
44	22.000	0.000-14.142	0.925	0.925	973.8	1442.4	497.3	80.0	0.935	1.009	0.999	-0.013	1.009	-0.000	0.002	0.11	-0.02
45	23.000	0.000-14.142	0.926	0.926	974.5	1443.4	498.0	80.0	0.932	1.006	0.999	-0.012	1.006	-0.001	0.002	0.13	-0.03
46	24.000	0.000-14.142	0.928	0.928	976.2	1442.0	498.5	80.0	0.935	1.006	1.000	-0.012	1.006	-0.000	0.003	0.15	-0.02

DATE 9-4-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG 24

TC-532 563 3.001 2.00

SURVEY ALFAS

1602 0.02

DATE

2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
3	-0.000	14.142	0.000	0.926	974.3	1443.3	497.8	80.1	0.927	1.001	1.000	-0.003	1.001	0.003	0.002	0.09	0.20
4	-5.000	14.142	0.000	0.926	974.4	1442.9	497.7	80.1	0.927	1.001	0.999	-0.003	1.001	0.003	0.002	0.09	0.20
5	-4.000	14.142	0.000	0.926	974.1	1443.3	497.8	80.0	0.927	1.001	1.000	-0.002	1.001	0.004	0.001	0.08	0.20
6	-3.000	14.142	0.000	0.927	974.8	1443.3	498.2	80.0	0.926	1.000	0.999	-0.001	1.000	0.004	0.001	0.08	0.23
7	-2.000	14.142	0.000	0.926	973.9	1443.3	497.6	80.0	0.926	1.000	1.000	-0.001	1.000	0.005	0.001	0.06	0.26
8	-1.000	14.142	0.000	0.925	973.4	1442.1	496.9	80.0	0.925	1.001	1.000	-0.002	1.000	0.006	0.001	0.08	0.32
9	0.000	14.142	0.000	0.925	973.1	1443.5	497.3	80.0	0.925	1.001	1.000	-0.002	1.000	0.006	0.001	0.06	0.25
10	1.000	14.142	0.000	0.924	972.6	1442.2	496.5	80.0	0.925	1.001	0.999	-0.003	1.001	0.007	0.001	0.06	0.39
11	2.000	14.142	0.000	0.925	973.1	1442.2	496.8	79.9	0.927	1.002	1.000	-0.004	1.002	0.007	0.001	0.05	0.42
12	3.000	14.142	0.000	0.924	972.6	1443.3	496.9	79.9	0.929	1.004	0.999	-0.010	1.004	0.008	0.001	0.04	0.48
13	4.000	14.142	0.000	0.924	972.5	1441.8	496.3	79.9	0.929	1.004	0.999	-0.010	1.004	0.009	0.001	0.04	0.49
14	5.000	14.142	0.000	0.925	972.9	1443.0	497.0	79.9	0.933	1.008	1.000	-0.015	1.008	0.009	0.001	0.03	0.49
15	6.000	14.142	0.000	0.926	973.9	1445.4	498.4	79.9	0.935	1.008	0.999	-0.019	1.008	0.008	0.000	0.02	0.46
16	7.000	14.142	0.000	0.926	974.2	1446.5	498.6	80.0	0.933	1.007	0.999	-0.015	1.007	0.008	0.001	0.06	0.44
17	8.000	14.142	0.000	0.927	974.9	1446.3	498.3	79.9	0.935	1.008	1.000	-0.016	1.008	0.007	0.001	0.05	0.40
18	9.000	14.142	0.000	0.927	975.5	1444.3	498.9	80.0	0.933	1.006	1.000	-0.011	1.006	0.007	0.001	0.05	0.41
19	10.000	14.142	0.000	0.925	972.9	1444.9	497.6	80.0	0.930	1.005	0.999	-0.012	1.005	0.007	0.001	0.03	0.40
20	11.000	14.142	0.000	0.926	974.0	1444.1	497.9	80.0	0.933	1.006	1.000	-0.013	1.006	0.007	0.001	0.06	0.41
21	12.000	14.142	0.000	0.928	975.9	1444.0	498.1	79.9	0.937	1.008	1.000	-0.016	1.008	0.007	0.001	0.07	0.42
22	13.000	14.142	0.000	0.925	973.1	1443.5	497.6	80.0	0.935	1.010	0.999	-0.021	1.010	0.007	0.002	0.10	0.40
23	14.000	14.142	0.000	0.929	976.6	1442.9	499.1	79.9	0.933	1.013	1.000	-0.027	1.013	0.007	0.002	0.10	0.38
24	15.000	14.142	0.000	0.929	977.0	1443.2	499.5	79.9	0.936	1.007	0.999	-0.019	1.007	0.005	0.002	0.14	0.28
25	16.000	14.142	0.000	0.926	974.6	1442.6	498.7	79.9	0.946	1.018	1.000	-0.037	1.018	0.003	0.003	0.17	0.20
26	17.000	14.142	0.000	0.928	975.9	1443.1	498.7	80.0	0.952	1.022	1.000	-0.045	1.022	0.001	0.003	0.18	0.06
27	18.000	14.142	0.000	0.928	975.8	1442.6	498.5	80.0	0.945	1.016	0.999	-0.033	1.016	-0.001	0.003	0.19	-0.06
28	19.000	14.142	0.000	0.926	973.8	1443.9	497.8	79.9	0.936	1.009	0.999	-0.020	1.009	-0.001	0.003	0.19	-0.08
29	20.000	14.142	0.000	0.929	976.5	1443.6	498.9	79.9	0.937	1.008	0.999	-0.016	1.008	-0.001	0.004	0.20	-0.08
30	21.000	14.142	0.000	0.929	976.5	1443.1	498.2	79.9	0.936	1.007	0.999	-0.014	1.007	-0.001	0.004	0.20	-0.06
31	22.000	14.142	0.000	0.926	974.3	1443.0	497.8	80.0	0.933	1.007	1.000	-0.014	1.007	-0.001	0.003	0.19	-0.05
32	23.000	14.142	0.000	0.925	973.4	1442.6	497.2	79.8	0.928	1.003	0.999	-0.007	1.003	-0.001	0.003	0.20	-0.03
33	24.000	14.142	0.000	0.928	976.1	1442.6	498.6	80.0	0.935	1.007	1.000	-0.014	1.007	-0.000	0.004	0.20	-0.02

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-332 582 3.004 5.00 24 1601 0.00

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
10	-5.000	0.000-14.142	0.927	975.5	1443.7	498.7	80.0	0.932	1.004	0.998	-0.011	1.004	0.998	-0.011	1.004	0.998	-0.011
11	-5.000	0.000-14.142	0.926	974.1	1442.4	497.5	79.9	0.929	1.003	0.999	-0.007	1.003	0.999	-0.007	1.003	0.999	-0.007
12	-5.000	0.000-14.142	0.924	972.7	1443.0	498.9	80.0	0.928	1.003	0.999	-0.008	1.003	0.999	-0.008	1.003	0.999	-0.008
13	-3.000	0.000-14.142	0.922	970.5	1442.9	495.6	79.9	0.924	1.002	0.999	-0.006	1.002	0.999	-0.006	1.002	0.999	-0.006
20	-2.000	0.000-14.142	0.923	971.7	1442.9	496.3	79.9	0.923	1.000	0.999	-0.002	1.000	0.999	-0.002	1.000	0.999	-0.002
21	-1.000	0.000-14.142	0.922	970.3	1443.0	495.7	79.9	0.924	1.003	0.999	-0.006	1.003	0.999	-0.006	1.003	0.999	-0.006
22	0.000	0.000-14.142	0.923	971.0	1442.1	495.7	79.7	0.924	1.001	0.999	-0.004	1.001	0.999	-0.004	1.001	0.999	-0.004
23	1.000	0.000-14.142	0.925	972.9	1441.9	495.6	79.9	0.927	1.002	0.999	-0.006	1.002	0.999	-0.006	1.002	0.999	-0.006
24	2.000	0.000-14.142	0.921	969.6	1442.7	495.0	79.9	0.925	1.003	0.999	-0.008	1.003	0.999	-0.008	1.003	0.999	-0.008
25	3.000	0.000-14.142	0.922	970.4	1443.6	495.7	79.9	0.926	1.004	0.999	-0.010	1.004	0.999	-0.010	1.004	0.999	-0.010
26	4.000	0.000-14.142	0.924	972.1	1441.6	496.0	79.9	0.927	1.004	0.999	-0.008	1.004	0.999	-0.008	1.004	0.999	-0.008
27	5.000	0.000-14.142	0.922	970.6	1443.2	495.7	79.9	0.928	1.005	0.999	-0.012	1.005	0.999	-0.012	1.005	0.999	-0.012
28	6.000	0.000-14.142	0.924	972.5	1442.3	496.6	79.9	0.931	1.006	0.999	-0.014	1.006	0.999	-0.014	1.006	0.999	-0.014
29	7.000	0.000-14.142	0.923	971.5	1443.1	496.3	79.8	0.929	1.003	0.999	-0.011	1.003	0.999	-0.011	1.003	0.999	-0.011
30	8.000	0.000-14.142	0.927	974.7	1443.1	498.1	79.9	0.930	1.003	0.998	-0.009	1.003	0.998	-0.009	1.003	0.998	-0.009
31	9.000	0.000-14.142	0.926	973.5	1441.4	498.9	79.7	0.927	1.002	0.999	-0.004	1.002	0.999	-0.004	1.002	0.999	-0.004
32	10.000	0.000-14.142	0.926	974.5	1443.1	498.0	79.9	0.927	1.001	0.999	-0.004	1.001	0.999	-0.004	1.001	0.999	-0.004
33	11.000	0.000-14.142	0.926	974.4	1442.8	497.8	79.8	0.925	0.999	0.999	0.001	0.999	0.999	0.001	0.999	0.999	0.001
34	12.000	0.000-14.142	0.927	974.8	1442.1	497.8	79.8	0.925	0.998	0.998	0.001	0.998	0.998	0.001	0.998	0.998	0.001
35	13.000	0.000-14.142	0.929	977.0	1442.9	499.3	80.0	0.927	0.998	0.999	0.002	0.999	0.999	0.002	0.998	0.999	0.002
37	14.000	0.000-14.142	0.926	974.0	1442.3	497.4	79.9	0.925	0.999	0.999	0.001	0.999	0.999	0.001	0.999	0.999	0.001
39	15.000	0.000-14.142	0.923	971.3	1442.4	494.9	79.9	0.922	0.999	0.999	0.000	0.999	0.999	0.000	0.999	0.999	0.000
41	16.000	0.000-14.142	0.928	975.9	1442.6	496.6	79.9	0.931	1.002	0.999	-0.006	1.002	0.999	-0.006	1.002	0.999	-0.006
43	17.000	0.000-14.142	0.924	972.8	1443.1	495.9	80.0	0.926	1.002	0.999	-0.004	1.002	0.999	-0.004	1.002	0.999	-0.004
45	18.000	0.000-14.142	0.926	973.8	1441.5	497.0	79.9	0.928	1.002	0.999	-0.005	1.002	0.999	-0.005	1.002	0.999	-0.005
50	19.000	0.000-14.142	0.929	976.5	1443.2	499.1	80.0	0.931	1.002	0.999	-0.005	1.002	0.999	-0.005	1.002	0.999	-0.005
56	20.000	0.000-14.142	0.925	972.9	1442.9	497.0	79.9	0.925	1.000	0.999	-0.003	1.000	0.999	-0.003	1.000	0.999	-0.003
57	21.000	0.000-14.142	0.927	975.2	1442.0	498.0	79.9	0.931	1.003	1.000	-0.007	1.003	1.000	-0.007	1.003	1.000	-0.007
58	22.000	0.000-14.142	0.925	973.1	1442.2	495.9	79.8	0.925	1.000	0.999	-0.002	1.000	0.999	-0.002	1.000	0.999	-0.002
59	23.000	0.000-14.142	0.930	977.3	1442.6	499.5	79.9	0.932	1.002	0.999	-0.006	1.002	0.999	-0.006	1.002	0.999	-0.006
60	24.000	0.000-14.142	0.926	973.8	1442.5	497.4	79.8	0.929	1.003	0.999	-0.007	1.003	0.999	-0.007	1.003	0.999	-0.007

DATE 4-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEC DIVISION

A EVEREUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 583 3.000 5.00 24 SURVEY ALFA

AEC PROPULSION WIND TUNNEL

TRANSONIC 47

DATE

2-21-78

VT/VM

WT/VM

UT/VM

CPL

PT/PT

VT/VM

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DATE 9-MAR-78 PROJECT NO PAIC-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 500 2.979 0.00

CONFIG 24

SURVEY ALFAS

1601 0.02

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
12	-6.000	0.000-14.142	0.948	995.5	1425.7	503.1	81.4	81.5	0.952	1.003	0.999	-0.008	1.003	-0.001	0.003	0.15	-0.08
13	-5.000	0.000-14.142	0.949	996.5	1426.0	503.7	81.5	81.5	0.955	1.005	0.999	-0.011	1.005	-0.001	0.002	0.14	-0.09
14	-4.000	0.000-14.142	0.948	995.2	1426.1	503.0	81.5	81.5	0.953	1.004	0.999	-0.011	1.004	-0.002	0.002	0.10	-0.10
15	-3.000	0.000-14.142	0.949	996.4	1426.4	503.8	81.5	81.5	0.950	1.001	0.999	-0.004	1.001	-0.002	0.001	0.07	-0.09
16	-2.000	0.000-14.142	0.953	999.8	1427.0	505.7	81.8	81.8	0.957	1.004	0.999	-0.010	1.004	-0.002	0.001	0.03	-0.09
17	-1.000	0.000-14.142	0.951	998.0	1427.9	505.1	81.8	81.8	0.954	1.003	0.999	-0.007	1.003	-0.002	0.000	0.00	-0.10
18	0.000	0.000-14.142	0.948	995.8	1428.5	504.1	81.7	81.7	0.951	1.002	0.999	-0.007	1.002	-0.002	-0.001	-0.08	-0.09
19	1.000	0.000-14.142	0.946	993.7	1428.4	502.6	82.2	82.2	0.949	1.003	0.999	-0.007	1.003	-0.001	-0.003	-0.15	-0.08
22	2.000	0.000-14.142	0.951	998.7	1438.1	508.5	82.8	82.8	0.956	1.005	0.999	-0.013	1.005	-0.002	-0.004	-0.21	-0.09
23	3.000	0.000-14.142	0.947	995.8	1440.1	507.5	83.0	83.0	0.954	1.007	0.999	-0.015	1.007	-0.002	-0.004	-0.24	-0.09
24	4.000	0.000-14.142	0.948	997.1	1441.2	508.6	83.1	83.1	0.957	1.007	0.999	-0.017	1.007	-0.002	-0.005	-0.26	-0.09
25	5.000	0.000-14.142	0.953	1001.6	1441.6	511.1	83.3	83.3	0.968	1.013	0.998	-0.028	1.013	-0.001	-0.005	-0.27	-0.08
26	6.000	0.000-14.142	0.949	998.0	1441.2	509.0	83.3	83.3	0.967	1.016	0.999	-0.032	1.016	-0.002	-0.004	-0.25	-0.10
27	7.000	0.000-14.142	0.949	997.6	1443.0	509.3	83.4	83.4	0.967	1.016	0.999	-0.035	1.016	-0.001	-0.004	-0.24	-0.08
28	8.000	0.000-14.142	0.947	996.4	1442.2	508.3	83.6	83.6	0.960	1.012	0.999	-0.026	1.012	-0.002	-0.004	-0.20	-0.09
29	9.000	0.000-14.142	0.951	1000.3	1442.6	510.5	83.8	83.8	0.963	1.011	0.999	-0.022	1.011	-0.001	-0.004	-0.21	-0.07
30	10.000	0.000-14.142	0.951	1000.7	1442.7	510.6	84.1	84.1	0.960	1.008	0.999	-0.017	1.008	-0.001	-0.004	-0.23	-0.06
31	11.000	0.000-14.142	0.953	1001.7	1444.3	511.8	84.0	84.0	0.960	1.007	0.999	-0.015	1.007	-0.001	-0.004	-0.23	-0.07
32	12.000	0.000-14.142	0.953	1002.6	1443.2	511.7	84.4	84.4	0.960	1.006	0.998	-0.014	1.006	-0.001	-0.004	-0.23	-0.06
33	13.000	0.000-14.142	0.954	1003.1	1445.0	512.6	84.5	84.5	0.965	1.010	0.999	-0.023	1.010	-0.001	-0.005	-0.28	-0.04
34	14.000	0.000-14.142	0.953	1002.6	1445.3	512.3	84.6	84.6	0.967	1.012	0.999	-0.026	1.012	-0.001	-0.004	-0.21	-0.05
35	15.000	0.000-14.142	0.947	997.3	1445.3	509.2	84.9	84.9	0.966	1.017	0.998	-0.036	1.017	-0.001	-0.002	-0.11	-0.03
36	16.000	0.000-14.142	0.952	1002.3	1447.9	512.7	85.3	85.3	0.977	1.022	0.999	-0.047	1.022	-0.001	-0.000	-0.02	-0.03
37	17.000	0.000-14.142	0.948	999.0	1447.4	510.7	85.3	85.3	0.971	1.021	0.999	-0.043	1.021	-0.001	0.003	0.19	-0.03
38	18.000	0.000-14.142	0.950	1001.3	1448.6	512.2	85.7	85.7	0.978	1.025	0.999	-0.051	1.025	-0.001	0.006	0.33	-0.06
39	19.000	0.000-14.142	0.949	1000.4	1449.2	511.8	85.9	85.9	0.966	1.015	0.999	-0.032	1.015	-0.001	0.007	0.39	-0.04
40	20.000	0.000-14.142	0.953	1003.7	1449.9	513.8	86.0	86.0	0.964	1.010	0.999	-0.023	1.010	-0.001	0.007	0.40	-0.07
42	21.000	0.000-14.142	0.952	1002.7	1451.5	513.3	86.1	86.1	0.960	1.007	0.998	-0.017	1.007	-0.001	0.007	0.39	-0.05
43	22.000	0.000-14.142	0.953	1004.4	1450.8	514.3	86.5	86.5	0.962	1.008	0.999	-0.018	1.008	-0.001	0.007	0.38	-0.06
45	23.000	0.000-14.142	0.947	999.3	1450.5	511.3	86.5	86.5	0.955	1.007	1.000	-0.015	1.007	-0.001	0.006	0.34	-0.07
46	24.000	0.000-14.142	0.951	1002.4	1451.8	513.5	86.7	86.7	0.960	1.008	0.999	-0.018	1.008	-0.002	0.006	0.36	-0.09

DATE 9-MAR-78 PROJECT NO PAIC-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 501 2.992 0.00 24

SURVEY ALFAS

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SMTL
2	-6.000	14.142	0.000	0.948	1001.1	1453.8	512.9	87.7	0.949	1.001	1.000	-0.001	1.001	0.002	0.001	0.05	0.12
3	-5.000	14.142	0.000	0.949	1001.0	1453.2	513.3	86.5	0.951	1.002	0.999	-0.005	1.002	0.002	0.001	0.05	0.13
4	-4.000	14.142	0.000	0.948	998.9	1449.8	511.5	85.2	0.948	1.000	0.999	-0.001	1.000	0.003	0.001	0.07	0.15
5	-3.000	14.142	0.000	0.948	998.6	1446.9	510.4	85.0	0.948	1.000	0.999	-0.000	1.000	0.003	0.001	0.03	0.17
6	-2.000	14.142	0.000	0.948	998.1	1447.7	510.7	84.5	0.948	1.000	0.999	-0.001	1.000	0.004	0.000	0.02	0.21
7	-1.000	14.142	0.000	0.949	995.7	1435.0	506.8	80.7	0.948	0.999	0.999	0.001	0.999	0.004	0.001	0.04	0.26
8	0.000	14.142	0.000	0.952	994.1	1419.2	502.6	76.3	0.950	0.998	1.000	0.003	0.998	0.005	0.000	0.03	0.30
9	1.000	14.142	0.000	0.952	994.4	1419.2	502.8	76.3	0.954	1.002	0.999	-0.005	1.002	0.006	-0.000	-0.02	0.37
10	2.000	14.142	0.000	0.952	993.8	1417.3	501.9	76.1	0.953	1.001	0.999	-0.004	1.001	0.007	0.000	0.00	0.42
11	3.000	14.142	0.000	0.953	994.1	1418.2	502.5	75.8	0.957	1.004	0.999	-0.010	1.004	0.008	-0.000	-0.02	0.44
12	4.000	14.142	0.000	0.953	993.9	1415.0	501.4	75.5	0.959	1.006	0.999	-0.014	1.006	0.008	0.000	0.00	0.46
13	5.000	14.142	0.000	0.953	994.5	1414.3	501.3	75.9	0.963	1.009	0.999	-0.019	1.009	0.008	-0.001	-0.03	0.47
14	6.000	14.142	0.000	0.953	994.6	1414.1	502.6	76.1	0.967	1.013	0.999	-0.028	1.013	0.008	-0.001	-0.03	0.43
15	7.000	14.142	0.000	0.951	993.2	1416.6	501.3	77.1	0.962	1.010	0.999	-0.021	1.010	0.007	-0.001	-0.04	0.38
16	8.000	14.142	0.000	0.951	993.9	1419.8	502.3	77.1	0.963	1.011	1.000	-0.021	1.011	0.007	-0.001	-0.04	0.39
17	9.000	14.142	0.000	0.951	994.0	1422.0	502.9	77.5	0.963	1.011	0.999	-0.023	1.011	0.006	-0.001	-0.05	0.36
18	10.000	14.142	0.000	0.951	994.0	1420.9	502.5	77.7	0.958	1.005	0.999	-0.012	1.005	0.006	-0.001	-0.08	0.36
19	11.000	14.142	0.000	0.952	995.3	1421.6	503.5	77.5	0.950	1.007	0.999	-0.014	1.007	0.007	-0.001	-0.07	0.40
20	12.000	14.142	0.000	0.952	995.3	1423.2	504.0	77.7	0.951	1.008	0.998	-0.019	1.008	0.007	-0.002	-0.09	0.42
21	13.000	14.142	0.000	0.949	993.0	1423.3	502.4	78.3	0.959	1.009	1.000	-0.013	1.009	0.008	-0.001	-0.09	0.43
22	14.000	14.142	0.000	0.952	996.2	1423.0	504.2	78.2	0.966	1.012	1.000	-0.025	1.012	0.008	-0.001	-0.08	0.43
24	15.000	14.142	0.000	0.953	997.4	1425.1	505.2	78.9	0.973	1.017	0.999	-0.035	1.017	0.007	-0.001	-0.06	0.41
25	16.000	14.142	0.000	0.951	995.4	1425.4	504.1	79.1	0.975	1.021	0.999	-0.044	1.021	0.005	-0.002	-0.09	0.27
26	17.000	14.142	0.000	0.948	993.6	1425.7	503.2	79.2	0.983	1.030	0.999	-0.062	1.030	0.001	-0.002	-0.12	0.04
27	18.000	14.142	0.000	0.948	993.6	1427.1	503.6	79.2	0.979	1.027	0.999	-0.057	1.027	-0.004	-0.003	-0.16	0.24
28	19.000	14.142	0.000	0.948	993.4	1425.7	503.1	79.1	0.964	1.014	0.999	-0.029	1.014	0.005	-0.002	-0.14	0.24
29	20.000	14.142	0.000	0.953	996.4	1430.6	507.1	80.2	0.962	1.008	0.999	-0.018	1.008	-0.004	-0.003	-0.15	0.24
30	21.000	14.142	0.000	0.951	997.2	1430.8	506.4	80.3	0.957	1.005	0.999	-0.012	1.005	-0.003	-0.003	-0.16	0.17
31	22.000	14.142	0.000	0.949	995.2	1430.0	505.0	80.3	0.959	1.008	1.000	-0.017	1.008	-0.002	-0.003	-0.16	0.14
32	23.000	14.142	0.000	0.950	996.2	1430.8	505.7	80.5	0.957	1.006	1.000	-0.013	1.006	-0.002	-0.002	-0.14	0.12
34	24.000	14.142	0.000	0.953	998.8	1430.1	507.0	80.4	0.961	1.007	0.999	-0.015	1.007	-0.002	-0.003	-0.15	0.14

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.
AEC DIVISION
A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS
TC-532 527 2.99R 2.00 24 1601 0.01

DATE 2-21-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VM/L/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
11	-6.000	0.000-14.142	0.950	997.0	1432.9	506.5	81.2	0.954	1.004	0.999	-0.009	1.004	-0.001	0.004	0.21	-0.04	
12	-5.000	0.000-14.142	0.950	996.4	1433.5	506.6	81.0	0.953	1.003	0.998	-0.009	1.003	-0.001	0.003	0.18	-0.05	
13	-4.000	0.000-14.142	0.948	995.0	1434.5	506.1	81.0	0.951	1.002	0.998	-0.008	1.002	-0.001	0.003	0.16	-0.03	
14	-3.000	0.000-14.142	0.946	992.8	1433.4	504.4	81.2	0.947	1.001	0.998	-0.006	1.001	-0.001	0.002	0.13	-0.05	
16	-2.000	0.000-14.142	0.951	998.3	1433.5	507.4	81.4	0.952	1.000	0.998	-0.003	1.000	-0.001	0.002	0.09	-0.06	
17	-1.000	0.000-14.142	0.949	996.3	1434.9	506.8	81.3	0.950	1.001	0.999	-0.004	1.001	-0.001	0.001	0.05	-0.05	
18	0.000	0.000-14.142	0.947	994.2	1433.6	505.2	81.2	0.948	1.001	0.999	-0.004	1.001	-0.001	0.001	0.03	-0.05	
20	1.000	0.000-14.142	0.952	995.1	1432.4	507.5	81.4	0.954	1.001	0.999	-0.005	1.001	-0.001	0.001	0.07	-0.04	
25	2.000	0.000-14.142	0.953	999.4	1433.8	508.4	80.8	0.956	1.003	0.998	-0.008	1.003	-0.001	0.003	0.15	-0.05	
26	3.000	0.000-14.142	0.949	996.1	1432.5	506.0	81.0	0.955	1.005	0.999	-0.012	1.005	-0.001	0.003	0.16	-0.05	
27	4.000	0.000-14.142	0.947	993.7	1432.6	504.7	80.9	0.953	1.005	0.998	-0.013	1.005	-0.001	0.004	0.20	-0.05	
29	5.000	0.000-14.142	0.950	996.1	1434.1	506.6	80.9	0.959	1.008	0.998	-0.019	1.008	-0.001	0.004	0.21	-0.05	
30	6.000	0.000-14.142	0.948	995.0	1433.3	505.7	81.1	0.959	1.010	0.998	-0.022	1.010	-0.001	0.004	0.21	-0.04	
31	7.000	0.000-14.142	0.950	996.9	1434.0	507.1	80.9	0.957	1.006	0.998	-0.014	1.006	-0.001	0.003	0.18	-0.05	
32	8.000	0.000-14.142	0.952	998.3	1432.7	507.3	81.1	0.961	1.008	0.998	-0.018	1.008	-0.001	0.003	0.19	-0.04	
33	9.000	0.000-14.142	0.951	997.7	1433.0	506.9	81.4	0.958	1.006	0.999	-0.014	1.006	-0.001	0.003	0.19	-0.04	
34	10.000	0.000-14.142	0.952	998.8	1435.3	508.3	81.4	0.957	1.004	0.998	-0.011	1.004	-0.000	0.004	0.22	-0.02	
35	11.000	0.000-14.142	0.952	998.9	1434.1	508.0	81.4	0.954	1.002	0.998	-0.006	1.002	-0.001	0.004	0.24	-0.03	
36	12.000	0.000-14.142	0.952	998.9	1433.9	508.0	81.2	0.954	1.001	0.999	-0.004	1.001	-0.001	0.004	0.24	-0.03	
37	13.000	0.000-14.142	0.953	999.6	1433.1	508.1	81.1	0.958	1.004	0.998	-0.011	1.004	-0.000	0.005	0.28	-0.01	
38	14.000	0.000-14.142	0.949	995.8	1434.7	506.5	81.2	0.955	1.006	0.998	-0.014	1.006	-0.000	0.005	0.30	-0.01	
39	15.000	0.000-14.142	0.949	995.9	1434.2	506.5	81.0	0.966	1.015	0.998	-0.033	1.015	-0.000	0.005	0.27	-0.00	
40	16.000	0.000-14.142	0.951	997.4	1434.7	507.5	81.0	0.964	1.012	0.998	-0.027	1.012	-0.000	0.003	0.15	-0.01	
41	17.000	0.000-14.142	0.950	996.0	1432.8	506.2	80.8	0.965	1.014	0.999	-0.030	1.014	-0.000	0.000	0.02	0.02	
42	18.000	0.000-14.142	0.951	997.6	1434.7	507.7	80.9	0.966	1.013	0.998	-0.030	1.013	-0.000	0.001	0.07	0.01	
43	19.000	0.000-14.142	0.952	998.1	1431.1	506.8	80.7	0.960	1.007	0.999	-0.016	1.007	-0.000	0.002	0.09	0.01	
44	20.000	0.000-14.142	0.953	998.9	1434.1	508.2	80.9	0.960	1.006	0.998	-0.016	1.006	-0.000	0.002	0.10	-0.02	
46	21.000	0.000-14.142	0.952	997.8	1431.3	506.7	80.7	0.956	1.004	0.998	-0.010	1.004	-0.000	0.002	0.11	-0.00	
50	22.000	0.000-14.142	0.950	997.0	1433.9	507.0	81.0	0.955	1.004	0.998	-0.010	1.004	-0.000	0.001	0.03	-0.03	
51	23.000	0.000-14.142	0.948	995.0	1432.7	505.4	81.2	0.951	1.003	0.998	-0.009	1.003	-0.000	0.002	0.09	-0.02	
52	24.000	0.000-14.142	0.953	999.7	1434.8	508.7	81.2	0.959	1.005	0.998	-0.012	1.005	-0.001	0.002	0.13	-0.03	

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNDT AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG SURVEY ALFAS
TC-532 528 2.999 2.00 24 1602 0.00DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	0.950	996.4	1433.1	506.4	81.0	0.952	1.002	0.999	-0.005	1.002	0.003	0.001	0.08	0.15
3	-5.000	14.142	0.000	0.950	996.6	1432.8	506.4	81.0	0.951	1.001	0.999	-0.002	1.001	0.003	0.001	0.08	0.17
4	-4.000	14.142	0.000	0.950	996.7	1432.7	506.4	81.0	0.950	1.000	0.999	-0.002	1.000	0.003	0.001	0.05	0.17
5	-3.000	14.142	0.000	0.950	996.2	1432.6	506.2	80.8	0.950	1.001	0.999	-0.002	1.001	0.004	0.001	0.07	0.21
6	-2.000	14.142	0.000	0.950	996.5	1432.8	506.5	80.7	0.950	1.000	0.999	-0.002	1.000	0.004	0.001	0.05	0.23
7	-1.000	14.142	0.000	0.950	996.5	1433.5	507.0	80.9	0.949	1.000	0.999	-0.001	1.000	0.005	0.001	0.04	0.28
8	0.000	14.142	0.000	0.949	995.9	1433.6	506.2	81.2	0.948	0.999	0.999	-0.001	0.999	0.006	-0.000	-0.00	0.34
9	1.000	14.142	0.000	0.949	995.7	1434.7	506.4	81.4	0.948	1.000	0.998	-0.002	1.000	0.007	0.000	0.00	0.35
10	2.000	14.142	0.000	0.948	995.5	1435.3	506.4	81.5	0.948	1.000	0.998	-0.003	1.000	0.008	0.000	0.02	0.44
11	3.000	14.142	0.000	0.953	999.5	1434.3	508.4	81.3	0.950	0.997	0.999	0.004	0.997	0.008	0.000	0.01	0.48
12	4.000	14.142	0.000	0.953	999.4	1433.5	508.2	81.0	0.960	1.006	0.999	-0.013	1.006	0.009	-0.001	-0.03	0.51
13	5.000	14.142	0.000	0.954	1000.5	1433.7	508.9	81.1	0.964	1.009	0.999	-0.020	1.009	0.009	0.000	0.00	0.50
14	6.000	14.142	0.000	0.953	999.9	1432.9	508.2	81.2	0.965	1.010	0.999	-0.021	1.010	0.008	-0.000	-0.00	0.46
15	7.000	14.142	0.000	0.952	998.4	1432.9	507.4	81.1	0.964	1.010	0.999	-0.022	1.010	0.008	-0.000	-0.01	0.44
16	8.000	14.142	0.000	0.953	999.1	1433.1	507.9	81.1	0.963	1.010	0.999	-0.020	1.009	0.007	-0.000	-0.00	0.40
17	9.000	14.142	0.000	0.950	996.7	1433.3	506.7	80.9	0.955	1.005	0.999	-0.011	1.005	0.007	0.000	0.00	0.39
18	10.000	14.142	0.000	0.952	997.9	1433.3	507.3	81.0	0.956	1.004	0.999	-0.009	1.004	0.007	0.000	0.01	0.41
19	11.000	14.142	0.000	0.948	995.1	1433.9	505.9	81.1	0.951	1.002	0.999	-0.007	1.002	0.008	0.000	0.01	0.44
20	12.000	14.142	0.000	0.950	996.5	1433.3	506.5	81.0	0.956	1.005	0.999	-0.011	1.005	0.008	0.001	0.03	0.56
21	13.000	14.142	0.000	0.954	1000.0	1433.7	508.5	81.2	0.959	1.004	0.999	-0.011	1.004	0.008	0.001	0.04	0.58
22	14.000	14.142	0.000	0.951	997.7	1433.7	507.3	81.0	0.964	1.011	0.999	-0.024	1.011	0.008	0.001	0.07	0.43
23	15.000	14.142	0.000	0.952	998.1	1431.9	507.0	81.0	0.971	1.017	1.000	-0.035	1.017	0.009	0.002	0.10	0.43
24	16.000	14.142	0.000	0.952	998.8	1433.8	507.9	81.2	0.976	1.021	0.998	-0.044	1.021	0.006	0.002	0.11	0.42
25	17.000	14.142	0.000	0.950	996.4	1434.0	506.6	81.2	0.981	1.028	0.999	-0.057	1.028	0.001	0.003	0.14	0.04
27	18.000	14.142	0.000	0.948	994.7	1431.9	505.1	80.8	0.972	1.022	0.998	-0.046	1.022	-0.003	0.003	0.18	-0.17
28	19.000	14.142	0.000	0.954	999.7	1431.8	508.0	80.5	0.967	1.012	0.998	-0.026	1.012	-0.004	0.004	0.21	-0.25
29	20.000	14.142	0.000	0.947	993.3	1430.5	504.1	80.2	0.952	1.005	0.999	-0.010	1.005	-0.003	0.003	0.19	-0.16
30	21.000	14.142	0.000	0.953	998.8	1429.6	506.8	80.4	0.958	1.004	1.000	-0.009	1.004	-0.002	0.004	0.21	-0.12
32	22.000	14.142	0.000	0.950	996.3	1431.5	506.1	80.4	0.955	1.005	0.999	-0.011	1.005	-0.002	0.003	0.20	-0.09
33	23.000	14.142	0.000	0.951	997.0	1429.9	506.0	80.2	0.957	1.005	0.999	-0.011	1.005	-0.001	0.003	0.18	-0.06
34	24.000	14.142	0.000	0.953	998.6	1430.5	507.2	80.1	0.961	1.007	0.999	-0.016	1.007	-0.001	0.003	0.19	-0.07

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART MEX10-6 ALFA CONFIG

TC-532 541 3.001 5.00 24

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	IT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
5	-6.000	0.000-14.142	0.950	995.6	1429.8	505.4	79.8	0.954	1.003	0.998	-0.010	1.003	0.000	0.003	0.17	0.02	0.02
6	-5.000	0.000-14.142	0.948	993.6	1428.3	503.7	79.9	0.953	1.005	0.999	-0.010	1.005	0.000	0.003	0.16	0.02	0.01
7	-4.000	0.000-14.142	0.947	992.2	1429.2	503.4	79.5	0.950	1.003	0.999	-0.008	1.003	0.000	0.002	0.14	0.01	0.01
9	-3.000	0.000-14.142	0.950	995.8	1429.9	505.6	79.7	0.953	1.002	0.999	-0.007	1.002	0.000	0.002	0.12	0.01	0.01
10	-2.000	0.000-14.142	0.948	993.6	1427.7	503.8	79.4	0.950	1.001	0.999	-0.004	1.001	0.000	0.002	0.09	0.03	0.03
11	-1.000	0.000-14.142	0.946	992.0	1428.0	502.8	79.6	0.947	1.001	0.998	-0.004	1.001	0.000	0.002	0.09	0.03	0.03
12	0.000	0.000-14.142	0.947	992.3	1428.3	503.2	79.4	0.946	0.999	0.998	-0.001	0.999	0.000	0.000	0.000	0.03	0.00
13	1.000	0.000-14.142	0.948	993.3	1429.4	504.2	79.4	0.950	1.002	0.998	-0.006	1.002	0.000	0.002	0.000	0.03	0.00
14	2.000	0.000-14.142	0.949	994.2	1428.4	504.4	79.3	0.953	1.003	0.999	-0.008	1.003	0.000	0.002	0.000	0.09	0.01
16	3.000	0.000-14.142	0.950	995.6	1428.9	505.2	79.6	0.955	1.005	0.999	-0.011	1.005	0.000	0.003	0.18	0.02	0.02
17	4.000	0.000-14.142	0.948	993.7	1428.3	504.0	79.5	0.953	1.004	0.998	-0.011	1.004	0.000	0.004	0.22	0.00	0.00
18	5.000	0.000-14.142	0.953	998.1	1428.4	506.4	79.7	0.960	1.007	0.998	-0.016	1.007	0.000	0.004	0.22	0.01	0.01
19	6.000	0.000-14.142	0.951	996.7	1429.3	505.8	79.9	0.958	1.006	0.999	-0.014	1.006	0.000	0.004	0.25	0.00	0.00
20	7.000	0.000-14.142	0.951	995.9	1428.9	505.4	79.5	0.958	1.006	0.999	-0.014	1.006	0.000	0.005	0.27	0.01	0.01
21	8.000	0.000-14.142	0.949	994.6	1426.8	504.0	79.4	0.953	1.004	0.999	-0.008	1.004	0.000	0.005	0.28	0.00	0.00
22	9.000	0.000-14.142	0.949	994.3	1427.1	503.9	79.4	0.949	1.000	0.999	-0.002	1.000	0.000	0.006	0.33	0.01	0.01
23	10.000	0.000-14.142	0.949	994.6	1427.6	504.2	79.6	0.947	0.998	0.998	0.001	0.998	0.000	0.007	0.38	0.02	0.02
24	11.000	0.000-14.142	0.950	995.3	1428.8	505.1	79.4	0.946	0.996	0.998	0.005	0.996	0.000	0.008	0.44	0.02	0.02
25	12.000	0.000-14.142	0.949	994.8	1427.3	504.2	79.6	0.943	0.994	0.999	0.009	0.994	0.000	0.008	0.48	0.03	0.03
26	13.000	0.000-14.142	0.953	998.0	1428.7	506.3	79.9	0.947	0.995	0.999	0.008	0.995	0.000	0.009	0.54	0.03	0.03
27	14.000	0.000-14.142	0.952	996.8	1428.6	505.2	79.4	0.949	0.998	0.998	0.003	0.998	0.000	0.010	0.55	0.04	0.04
29	15.000	0.000-14.142	0.948	993.6	1428.9	504.0	79.7	0.948	1.000	0.998	-0.003	1.000	0.001	0.009	0.54	0.06	0.06
30	16.000	0.000-14.142	0.954	999.0	1430.8	507.6	79.8	0.959	1.005	0.998	-0.012	1.005	0.001	0.009	0.51	0.05	0.05
31	17.000	0.000-14.142	0.949	994.3	1428.0	504.0	79.9	0.953	1.004	0.998	-0.011	1.004	0.001	0.008	0.43	0.02	0.02
34	18.000	0.000-14.142	0.951	996.2	1425.6	504.4	79.4	0.956	1.004	0.999	-0.011	1.004	0.001	0.007	0.38	0.04	0.04
35	19.000	0.000-14.142	0.953	997.8	1428.6	506.4	79.4	0.959	1.005	0.998	-0.013	1.005	0.001	0.006	0.34	0.04	0.04
37	20.000	0.000-14.142	0.950	995.2	1427.5	504.6	79.4	0.950	1.000	0.998	-0.002	1.000	0.001	0.005	0.31	0.05	0.05
40	21.000	0.000-14.142	0.951	996.6	1427.8	505.3	79.6	0.951	0.999	0.998	-0.002	0.999	0.001	0.006	0.32	0.05	0.05
42	22.000	0.000-14.142	0.953	998.3	1429.0	506.6	79.8	0.955	1.001	0.999	-0.005	1.001	0.000	0.006	0.32	0.02	0.02
45	23.000	0.000-14.142	0.950	995.5	1429.5	505.3	79.6	0.953	1.003	0.998	-0.009	1.003	0.000	0.006	0.32	0.02	0.02
46	24.000	0.000-14.142	0.951	996.3	1427.1	504.9	79.6	0.953	1.001	0.998	-0.005	1.001	0.001	0.005	0.26	0.04	0.04

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 542 2.996 5.00 24

SURVEY ALFAS

1602 0.00

DATE

2-21-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	VT	YT	ZT	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SMTL
2	-6.000	14.142	0.000	0.947	992.6	1427.3	503.3	79.4	0.948	1.001	0.999	-0.003	1.001	0.004	0.002	0.10	0.21
3	-5.000	14.142	0.000	0.948	993.2	1427.0	501.3	79.4	0.948	1.000	0.999	-0.002	1.000	0.004	0.002	0.09	0.22
4	-4.000	14.142	0.000	0.948	993.4	1428.2	503.9	79.3	0.947	0.999	0.998	-0.001	1.000	0.004	0.002	0.09	0.23
5	-3.000	14.142	0.000	0.948	993.9	1427.9	504.5	79.9	0.948	1.000	0.999	-0.002	1.000	0.005	0.001	0.06	0.26
6	-2.000	14.142	0.000	0.948	993.9	1430.0	504.5	79.8	0.945	0.998	0.998	0.002	1.000	0.005	0.001	0.05	0.29
7	-1.000	14.142	0.000	0.948	993.4	1427.8	503.4	79.9	0.944	0.997	0.999	0.003	0.999	0.006	0.001	0.06	0.33
8	0.000	14.142	0.000	0.947	993.1	1430.0	504.0	80.0	0.945	0.999	0.999	0.002	0.999	0.007	0.001	0.03	0.39
9	1.000	14.142	0.000	0.946	991.9	1429.3	503.3	79.6	0.946	1.000	0.999	-0.001	1.000	0.007	0.000	0.01	0.42
10	2.000	14.142	0.000	0.948	993.5	1428.9	504.1	79.4	0.949	1.001	0.998	-0.004	1.001	0.008	-0.000	-0.00	0.48
11	3.000	14.142	0.000	0.948	993.3	1428.1	503.6	79.6	0.949	1.001	0.999	-0.004	1.001	0.009	-0.000	-0.00	0.52
12	4.000	14.142	0.000	0.948	993.0	1428.1	503.6	79.4	0.953	1.004	0.999	-0.010	1.004	0.010	0.000	0.01	0.56
13	5.000	14.142	0.000	0.948	993.3	1427.2	503.4	79.4	0.953	1.004	0.999	-0.011	1.004	0.009	0.000	0.02	0.53
14	6.000	14.142	0.000	0.949	994.0	1428.7	504.3	79.5	0.956	1.007	0.999	-0.016	1.007	0.009	-0.000	-0.01	0.54
15	7.000	14.142	0.000	0.949	994.5	1428.0	504.4	79.4	0.956	1.006	0.999	-0.013	1.006	0.009	0.000	0.00	0.52
16	8.000	14.142	0.000	0.952	996.8	1428.4	505.8	79.5	0.957	1.005	0.999	-0.011	1.005	0.009	0.000	0.02	0.49
17	9.000	14.142	0.000	0.953	998.3	1427.9	506.4	79.6	0.957	1.003	0.999	-0.007	1.003	0.009	0.001	0.03	0.50
18	10.000	14.142	0.000	0.953	997.5	1427.6	505.8	79.5	0.953	1.001	0.999	-0.003	1.001	0.010	0.001	0.06	0.56
19	11.000	14.142	0.000	0.954	998.4	1427.7	506.4	79.5	0.951	0.998	0.999	0.002	0.998	0.010	0.002	0.10	0.55
20	12.000	14.142	0.000	0.951	996.5	1426.9	504.8	79.9	0.949	0.998	0.998	0.001	0.998	0.011	0.002	0.09	0.66
21	13.000	14.142	0.000	0.953	997.6	1427.9	506.0	79.4	0.954	1.001	0.999	-0.003	1.001	0.012	0.003	0.16	0.67
22	14.000	14.142	0.000	0.954	999.0	1428.0	508.7	79.6	0.959	1.004	0.998	-0.011	1.004	0.013	0.003	0.18	0.72
23	15.000	14.142	0.000	0.950	994.8	1428.8	504.8	79.4	0.964	1.013	0.998	-0.028	1.013	0.012	0.005	0.27	0.67
24	16.000	14.142	0.000	0.952	997.3	1428.4	505.9	79.7	0.975	1.021	0.998	-0.044	1.021	0.012	0.006	0.36	0.67
25	17.000	14.142	0.000	0.952	997.2	1427.3	505.5	79.7	0.986	1.030	0.999	-0.062	1.030	0.008	0.008	0.44	0.43
26	18.000	14.142	0.000	0.952	997.4	1429.7	506.3	80.0	1.012	1.053	0.999	-0.108	1.053	-0.001	0.013	0.65	-0.05
27	19.000	14.142	0.000	0.950	995.7	1431.1	505.9	79.6	0.971	1.018	0.998	-0.039	1.018	-0.005	0.014	0.78	-0.27
28	20.000	14.142	0.000	0.949	994.3	1428.2	504.2	79.6	0.953	1.004	0.998	-0.010	1.004	-0.003	0.014	0.80	-0.14
29	21.000	14.142	0.000	0.951	996.6	1429.0	505.8	79.6	0.953	1.002	0.999	-0.005	1.002	-0.002	0.014	0.80	-0.10
30	22.000	14.142	0.000	0.953	998.0	1429.2	506.5	79.9	0.956	1.003	0.998	-0.009	1.003	-0.000	0.014	0.80	-0.01
31	23.000	14.142	0.000	0.953	997.9	1427.2	505.9	79.5	0.955	1.002	1.000	-0.005	1.002	0.000	0.014	0.81	0.01
32	24.000	14.142	0.000	0.954	998.7	1428.2	506.7	79.5	0.958	1.004	0.998	-0.010	1.004	0.000	0.014	0.79	0.02
34	24.000	14.142	0.000	0.954	998.7	1428.2	506.7	79.5	0.958	1.004	0.998	-0.010	1.004	0.000	0.014	0.79	0.02

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-0 ALPHA CONFIG 24

TC-532 594 3.001 0.00

SURVEY ALFAS 1601 0.01

DATE 2-21-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

NT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SMTL
-6.000	0.000-14.142	1.051	1082.7	1390.5	534.6	79.6	1.053	1.003	0.998	-0.005	1.002	0.000	0.000	0.005	0.28	0.02	
-5.000	0.000-14.142	1.050	1081.7	1389.3	533.7	79.6	1.053	1.003	0.999	-0.006	1.003	0.000	0.005	0.27	0.00		
-4.000	0.000-14.142	1.050	1081.6	1390.7	534.2	79.7	1.050	1.000	0.999	-0.003	1.000	0.000	0.005	0.27	0.01		
-3.000	0.000-14.142	1.051	1083.0	1390.4	534.7	79.7	1.053	1.001	0.999	-0.003	1.001	0.001	0.005	0.26	0.05		
-2.000	0.000-14.142	1.050	1082.5	1390.6	534.5	79.8	1.051	1.000	0.999	-0.002	1.000	0.000	0.005	0.27	0.02		
-1.000	0.000-14.142	1.049	1081.6	1390.6	534.1	79.8	1.051	1.001	0.999	-0.002	1.001	0.001	0.005	0.26	0.05		
0.000	0.000-14.142	1.049	1081.0	1391.4	534.2	79.7	1.052	1.003	0.999	-0.007	1.003	0.001	0.005	0.27	0.04		
1.000	0.000-14.142	1.049	1081.4	1392.4	534.7	79.9	1.045	0.997	0.999	0.005	0.999	0.001	0.004	0.25	0.08		
2.000	0.000-14.142	1.052	1083.8	1392.3	535.7	79.8	1.018	0.974	0.999	0.054	0.972	0.001	0.007	0.42	0.07		
3.000	0.000-14.142	1.051	1082.9	1391.4	535.0	79.6	1.016	0.972	0.999	0.056	0.971	0.001	0.008	0.45	0.04		
4.000	0.000-14.142	1.049	1081.4	1390.4	534.0	79.7	1.013	0.971	0.999	0.045	0.977	0.001	0.008	0.49	0.03		
5.000	0.000-14.142	1.048	1080.5	1390.5	533.7	79.5	1.019	0.977	0.999	0.045	0.977	0.001	0.008	0.49	0.03		
6.000	0.000-14.142	1.049	1080.8	1390.4	533.7	79.7	1.037	0.991	0.999	0.017	0.991	0.001	0.010	0.59	0.05		
7.000	0.000-14.142	1.050	1081.9	1391.6	534.6	79.8	1.051	1.001	0.998	-0.004	1.001	0.001	0.012	0.68	0.04		
8.000	0.000-14.142	1.049	1081.7	1390.6	534.1	79.8	1.059	1.007	0.999	-0.016	1.007	0.001	0.012	0.66	0.04		
9.000	0.000-14.142	1.050	1082.1	1391.0	534.5	79.8	1.067	1.013	0.999	-0.028	1.013	0.001	0.010	0.58	0.08		
10.000	0.000-14.142	1.051	1082.8	1391.0	534.6	79.8	1.079	1.022	0.999	-0.045	1.022	0.001	0.008	0.48	0.05		
11.000	0.000-14.142	1.052	1084.0	1391.4	535.4	79.5	1.088	1.028	0.999	-0.057	1.028	0.001	0.005	0.26	0.05		
12.000	0.000-14.142	1.052	1083.6	1388.7	534.4	79.5	1.096	1.033	0.999	-0.068	1.033	0.000	0.004	0.04	0.03		
13.000	0.000-14.142	1.050	1082.0	1389.3	532.9	79.6	1.108	1.045	0.998	-0.092	1.045	0.000	0.003	0.23	0.01		
14.000	0.000-14.142	1.051	1082.6	1390.8	534.8	79.4	1.115	1.049	0.997	-0.100	1.049	0.000	0.009	0.32	0.01		
15.000	0.000-14.142	1.051	1082.5	1389.7	534.3	79.4	0.982	0.946	0.998	0.107	0.945	0.001	0.008	0.50	0.04		
16.000	0.000-14.142	1.052	1083.5	1390.3	534.8	79.8	1.020	0.975	0.999	0.049	0.975	0.000	0.006	0.35	0.01		
17.000	0.000-14.142	1.051	1082.7	1392.0	535.1	79.8	1.042	0.993	0.999	0.012	0.993	0.000	0.001	0.03	0.01		
18.000	0.000-14.142	1.052	1083.3	1389.7	534.6	79.5	1.058	1.005	0.998	-0.012	1.005	0.000	0.007	0.41	0.01		
19.000	0.000-14.142	1.050	1082.2	1390.2	534.3	79.6	1.034	0.988	0.999	0.024	0.988	0.000	0.003	0.20	0.02		
20.000	0.000-14.142	1.051	1082.7	1390.5	534.6	79.7	1.066	1.012	0.993	-0.025	1.012	0.000	0.005	0.31	0.02		
21.000	0.000-14.142	1.052	1083.3	1390.8	535.0	79.6	1.089	1.029	0.998	-0.060	1.029	0.001	0.010	0.56	0.04		
22.000	0.000-14.142	1.052	1083.4	1389.6	534.6	79.6	1.106	1.042	0.998	-0.085	1.042	0.001	0.016	0.90	0.06		
23.000	0.000-14.142	1.051	1082.7	1390.9	534.7	79.9	1.116	1.050	0.998	-0.102	1.050	0.001	0.027	1.49	0.07		
24.000	0.000-14.142	1.053	1084.7	1389.8	535.2	79.7	1.118	1.050	0.997	-0.102	1.049	0.001	0.029	1.56	0.06		

DATE 08-08-78 PROJECT NO P41C-N0C

ISSUED BY

DATE 08-08-78

DESIGNER CORPORATION COMPANY

PROPULSION WIND TUNNEL

LAURENCE AIR FORCE STATION, TENNESSEE

TEST PART MEX10-6

TC-532 595 3,000 0.00

CONFIG 24 SURVEY ALFAS 0.01

DATE 2-21-78 AERC PROPULSION WIND TUNNEL TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SMIL
2	-6.000	14.142	0.000	1.046	1078.3	1392.2	533.3	79.7	1.054	1.007	0.999	-0.014	1.007	0.002	0.002	0.09	0.10
3	-5.000	14.142	0.000	1.051	1082.7	1391.2	534.8	79.8	1.055	1.003	0.999	-0.007	1.003	0.002	0.002	0.10	0.11
4	-4.000	14.142	0.000	1.050	1082.0	1389.6	533.9	79.7	1.051	1.001	1.000	-0.002	1.001	0.001	0.001	0.07	0.05
5	-3.000	14.142	0.000	1.051	1082.7	1389.6	534.3	79.7	1.054	1.002	0.999	-0.005	1.002	0.001	0.002	0.09	0.06
6	-2.000	14.142	0.000	1.051	1083.0	1390.0	534.6	79.6	1.050	0.998	0.999	0.001	0.999	0.001	0.001	0.07	0.07
7	-1.000	14.142	0.000	1.052	1083.3	1390.8	535.1	79.5	1.049	0.998	0.999	0.003	0.998	0.001	0.001	0.07	0.05
8	0.000	14.142	0.000	1.053	1084.1	1391.5	535.7	79.4	1.047	0.995	0.999	0.009	0.995	0.001	0.001	0.08	0.07
9	1.000	14.142	0.000	1.053	1084.6	1390.7	535.0	79.4	1.047	0.995	0.999	0.009	0.995	0.001	0.001	0.10	0.12
10	2.000	14.142	0.000	1.054	1084.9	1390.0	535.4	79.6	1.049	0.973	0.999	0.052	0.973	0.008	0.002	0.09	0.16
11	3.000	14.142	0.000	1.054	1085.4	1389.3	535.4	79.6	1.021	0.974	0.999	0.052	0.974	0.012	0.002	0.09	0.16
12	4.000	14.142	0.000	1.054	1085.4	1389.3	535.4	79.6	1.018	0.973	0.999	0.054	0.973	0.012	0.002	0.09	0.16
13	5.000	14.142	0.000	1.050	1081.5	1389.4	533.7	79.6	1.025	0.981	1.000	0.038	0.981	0.013	0.000	0.01	0.74
14	6.000	14.142	0.000	1.052	1083.8	1390.1	534.7	79.6	1.037	0.988	1.000	0.023	0.988	0.015	0.000	0.02	0.85
15	7.000	14.142	0.000	1.052	1083.3	1390.0	534.7	79.6	1.037	0.988	1.000	0.023	0.988	0.015	0.000	0.02	0.89
16	8.000	14.142	0.000	1.053	1084.7	1390.3	535.4	79.6	1.050	0.998	0.999	0.007	0.997	0.016	0.000	0.04	0.95
17	9.000	14.142	0.000	1.053	1084.7	1390.3	535.4	79.6	1.050	0.998	0.999	0.007	0.997	0.016	0.000	0.04	0.95
18	10.000	14.142	0.000	1.052	1083.3	1389.4	534.1	79.6	1.062	1.008	0.999	0.018	1.008	0.013	0.001	0.05	0.75
19	11.000	14.142	0.000	1.052	1083.3	1388.4	534.1	79.6	1.071	1.015	0.999	0.031	1.015	0.010	0.001	0.08	0.58
20	12.000	14.142	0.000	1.052	1083.6	1389.4	534.6	79.7	1.081	1.023	0.999	0.047	1.023	0.007	0.002	0.09	0.43
21	13.000	14.142	0.000	1.051	1082.9	1389.9	534.6	79.4	1.096	1.034	0.999	0.069	1.034	0.003	0.002	0.10	0.18
22	14.000	14.142	0.000	1.051	1081.0	1390.0	533.7	79.6	1.102	1.041	0.999	0.083	1.041	0.003	0.002	0.06	0.01
23	15.000	14.142	0.000	1.049	1081.0	1390.2	534.8	79.8	1.106	1.041	0.998	0.085	1.041	0.003	0.002	0.11	0.14
24	16.000	14.142	0.000	1.052	1083.5	1390.2	534.8	79.8	1.106	1.041	0.998	0.085	1.041	0.003	0.002	0.11	0.14
25	17.000	14.142	0.000	1.049	1081.3	1390.8	534.0	79.8	1.017	0.975	0.999	0.048	0.975	0.012	0.000	0.02	0.70
26	18.000	14.142	0.000	1.049	1081.3	1390.8	534.0	79.8	1.017	0.975	0.999	0.048	0.975	0.012	0.000	0.02	0.70
27	19.000	14.142	0.000	1.049	1081.3	1391.0	534.2	79.6	1.027	0.982	0.999	0.044	0.977	0.009	0.001	0.08	0.50
28	20.000	14.142	0.000	1.052	1083.6	1390.0	534.8	79.6	1.023	0.977	0.999	0.044	0.977	0.009	0.001	0.08	0.50
29	21.000	14.142	0.000	1.052	1083.6	1390.0	534.8	79.6	1.023	0.977	0.999	0.044	0.977	0.009	0.001	0.08	0.50
30	22.000	14.142	0.000	1.052	1083.6	1390.0	534.8	79.6	1.023	0.977	0.999	0.044	0.977	0.009	0.001	0.08	0.50
31	23.000	14.142	0.000	1.051	1082.5	1390.2	534.9	79.7	1.076	1.019	0.998	0.041	1.019	0.004	0.001	0.04	0.23
32	24.000	14.142	0.000	1.051	1082.5	1390.2	534.9	79.7	1.076	1.019	0.998	0.041	1.019	0.004	0.001	0.04	0.23
33	25.000	14.142	0.000	1.052	1083.9	1390.1	534.9	79.7	1.103	1.039	0.998	0.080	1.039	0.010	0.000	0.01	0.52
34	26.000	14.142	0.000	1.053	1084.0	1390.6	535.3	79.5	1.127	1.056	0.998	0.115	1.056	0.018	0.001	0.26	0.95
35	27.000	14.142	0.000	1.051	1083.1	1389.5	534.4	79.6	1.113	1.047	0.997	0.093	1.047	0.015	0.003	0.14	0.82
36	28.000	14.142	0.000	1.051	1083.1	1389.2	534.3	79.7	1.035	0.987	0.998	0.23	0.987	0.000	0.003	0.19	0.03
37	29.000	14.142	0.000	1.051	1083.1	1391.6	535.1	79.8	1.043	0.994	0.999	0.012	0.994	0.002	0.003	0.19	0.12

DATE 9-MAR-78 PROJECT NO PAIC-WOC

APC, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 598 3.003 2.00 24

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-21-78

SURVEY ALFAS
1601 0.01

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
6	-6.000	0.000-14.142	1.053	1084.1	1390.7	535.3	79.5	1.052	1.000	0.998	-0.002	1.000	0.000	0.005	0.29	0.00	
7	-5.000	0.000-14.142	1.051	1083.1	1389.9	534.5	79.8	1.054	1.003	0.999	-0.007	1.003	0.000	0.005	0.29	0.00	
8	-4.000	0.000-14.142	1.050	1082.0	1389.3	533.9	79.5	1.050	1.000	0.999	-0.001	1.000	0.000	0.005	0.28	0.00	
9	-3.000	0.000-14.142	1.049	1080.9	1389.1	533.4	79.4	1.049	1.000	0.999	-0.002	1.000	0.000	0.005	0.28	0.03	
10	-2.000	0.000-14.142	1.050	1081.6	1390.3	534.0	79.7	1.049	1.000	0.999	-0.001	1.000	0.000	0.005	0.30	0.00	
11	-1.000	0.000-14.142	1.048	1080.4	1389.5	533.3	79.5	1.051	1.002	0.999	-0.004	1.002	0.000	0.005	0.27	0.05	
12	0.000	0.000-14.142	1.051	1082.4	1390.7	534.6	79.5	1.053	1.002	0.998	-0.005	1.002	0.000	0.005	0.30	0.08	
13	1.000	0.000-14.142	1.049	1081.4	1390.3	534.0	79.6	1.016	0.974	0.998	0.050	0.974	0.001	0.004	0.25	0.06	
14	2.000	0.000-14.142	1.051	1083.0	1389.3	534.3	79.5	1.015	0.971	0.999	0.056	0.971	0.001	0.004	0.25	0.06	
15	3.000	0.000-14.142	1.051	1083.0	1390.0	534.6	79.5	1.011	0.969	0.999	0.061	0.969	0.001	0.008	0.45	0.05	
16	4.000	0.000-14.142	1.051	1083.0	1389.9	534.4	79.6	1.017	0.973	0.999	0.053	0.973	0.001	0.008	0.46	0.07	
17	5.000	0.000-14.142	1.051	1082.7	1389.9	534.4	79.7	1.030	0.983	0.999	0.032	0.983	0.001	0.008	0.47	0.05	
18	6.000	0.000-14.142	1.052	1083.4	1390.9	535.0	79.6	1.047	0.997	0.999	0.005	0.997	0.001	0.011	0.51	0.03	
19	7.000	0.000-14.142	1.051	1083.0	1390.1	534.6	79.5	1.060	1.006	0.998	-0.014	1.006	0.001	0.012	0.56	0.03	
20	8.000	0.000-14.142	1.052	1083.8	1391.1	535.4	79.5	1.069	1.012	0.999	-0.026	1.012	0.001	0.011	0.51	0.05	
21	9.000	0.000-14.142	1.053	1084.3	1390.0	535.2	79.5	1.077	1.019	0.998	-0.039	1.018	0.001	0.009	0.50	0.07	
22	10.000	0.000-14.142	1.053	1084.4	1389.3	534.9	79.6	1.086	1.026	0.999	-0.052	1.026	0.001	0.006	0.34	0.06	
23	11.000	0.000-14.142	1.052	1083.6	1389.3	534.6	79.4	1.098	1.036	0.998	-0.074	1.036	0.000	0.001	0.05	0.01	
24	12.000	0.000-14.142	1.051	1082.9	1390.8	534.9	79.5	1.107	1.041	0.998	-0.083	1.041	0.000	0.007	0.36	0.00	
25	13.000	0.000-14.142	1.054	1084.9	1390.5	535.6	79.4	1.115	1.047	0.997	-0.096	1.047	0.000	0.007	0.52	0.04	
26	14.000	0.000-14.142	1.054	1084.8	1390.8	535.8	79.4	1.115	1.047	0.997	-0.096	1.047	0.000	0.007	0.52	0.04	
27	15.000	0.000-14.142	1.050	1082.0	1389.7	534.0	79.5	0.981	0.945	0.999	0.109	0.945	0.001	0.009	0.52	0.04	
28	16.000	0.000-14.142	1.051	1082.2	1387.7	533.5	79.3	1.015	0.972	0.994	0.055	0.972	0.000	0.006	0.25	0.00	
29	17.000	0.000-14.142	1.051	1082.2	1389.2	534.0	79.4	1.007	0.965	0.998	0.067	0.965	0.000	0.004	0.21	0.01	
30	18.000	0.000-14.142	1.051	1082.2	1389.2	534.0	79.4	1.014	0.966	0.993	0.060	0.969	0.000	0.003	0.17	0.01	
31	19.000	0.000-14.142	1.054	1084.8	1389.5	535.2	79.4	1.045	0.996	0.999	0.007	0.995	0.000	0.006	0.02	0.02	
32	20.000	0.000-14.142	1.050	1082.1	1390.4	534.7	79.4	1.065	1.011	0.999	-0.024	1.011	0.000	0.007	0.11	0.00	
33	21.000	0.000-14.142	1.051	1082.6	1390.6	534.7	79.5	1.085	1.027	0.998	-0.056	1.027	0.000	0.007	0.36	0.00	
34	22.000	0.000-14.142	1.051	1082.2	1390.5	534.5	79.5	1.089	1.029	0.997	-0.061	1.029	0.000	0.009	0.48	0.02	
35	23.000	0.000-14.142	1.053	1084.0	1389.9	535.0	79.4	1.108	1.042	0.998	-0.087	1.042	0.001	0.014	0.7	0.04	
36	24.000	0.000-14.142	1.051	1082.7	1390.7	534.7	79.7	1.125	1.057	0.997	-0.116	1.056	-0.001	0.022	1.14	0.05	

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A STEVENSON CORPORATION COMPANY

PROPELLION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG SURVEY ALFAS

TC-532 599 3.002 2.00 24 1602 0.01

DATE 2-21-78
AEDC PROPELLION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
2	-6.000	14.142	0.000	1.052	1083.3	1391.3	535.2	79.7	1.059	1.006	0.999	-0.013	1.006	0.002	0.002	0.10	0.14
3	-5.000	14.142	0.000	1.052	1083.6	1391.2	535.2	79.8	1.055	1.003	0.999	-0.006	1.003	0.001	0.002	0.11	0.07
4	-4.000	14.142	0.000	1.053	1084.5	1391.7	535.7	79.9	1.054	1.001	0.998	-0.005	1.001	0.001	0.002	0.10	0.06
5	-3.000	14.142	0.000	1.052	1083.9	1389.6	534.8	79.7	1.053	1.001	0.999	-0.002	1.002	0.001	0.001	0.08	0.05
6	-2.000	14.142	0.000	1.052	1083.7	1389.0	534.4	79.7	1.053	1.001	0.999	-0.002	1.001	0.001	0.001	0.08	0.07
7	-1.000	14.142	0.000	1.052	1083.7	1390.6	535.0	79.8	1.048	0.997	0.999	0.005	0.997	0.001	0.002	0.10	0.08
8	0.000	14.142	0.000	1.052	1083.8	1389.3	534.6	79.7	1.049	0.997	0.999	0.005	0.997	0.001	0.002	0.11	0.05
9	1.000	14.142	0.000	1.053	1084.7	1390.0	535.3	79.7	1.046	0.995	0.999	0.010	0.995	0.002	0.002	0.13	0.13
10	2.000	14.142	0.000	1.051	1082.6	1388.9	534.0	79.6	1.013	0.970	0.999	0.058	0.970	0.009	0.002	0.11	0.51
11	3.000	14.142	0.000	1.052	1083.9	1389.4	534.7	79.7	1.015	0.971	1.000	0.058	0.971	0.012	0.001	0.08	0.68
12	4.000	14.142	0.000	1.049	1081.5	1389.7	533.8	79.7	1.013	0.971	0.999	0.056	0.971	0.012	0.000	0.01	0.70
13	5.000	14.142	0.000	1.051	1083.3	1391.0	535.0	79.8	1.021	0.976	0.999	0.047	0.976	0.013	0.000	0.00	0.75
14	6.000	14.142	0.000	1.048	1080.5	1389.7	533.3	79.8	1.039	0.993	0.999	0.014	0.993	0.015	0.000	0.01	0.87
15	7.000	14.142	0.000	1.051	1082.9	1392.1	535.2	79.8	1.050	0.999	0.999	0.001	0.999	0.016	0.000	0.01	0.51
16	8.000	14.142	0.000	1.053	1084.7	1391.7	535.9	79.7	1.055	1.002	0.999	-0.005	1.002	0.015	0.000	0.03	0.83
17	9.000	14.142	0.000	1.050	1082.0	1390.6	534.3	79.8	1.062	1.009	0.999	-0.020	1.009	0.013	0.001	0.08	0.75
18	10.000	14.142	0.000	1.050	1082.1	1391.8	534.8	79.8	1.071	1.016	0.998	-0.035	1.016	0.011	0.002	0.12	0.59
19	11.000	14.142	0.000	1.052	1083.9	1391.3	535.3	79.9	1.082	1.023	0.999	-0.038	1.023	0.007	0.003	0.15	0.39
20	12.000	14.142	0.000	1.053	1085.0	1391.4	535.8	80.0	1.093	1.031	0.999	-0.063	1.031	0.004	0.003	0.16	0.20
21	13.000	14.142	0.000	1.051	1082.9	1391.9	535.1	79.9	1.103	1.040	0.998	-0.082	1.040	0.000	0.001	0.05	0.01
22	14.000	14.142	0.000	1.049	1081.7	1391.3	534.3	80.0	1.086	1.029	0.998	-0.060	1.029	0.002	-0.001	-0.08	0.10
23	15.000	14.142	0.000	1.048	1080.2	1396.5	535.7	79.9	1.026	0.983	1.000	0.034	0.983	0.013	0.001	0.04	0.73
24	16.000	14.142	0.000	1.051	1083.1	1393.3	535.8	79.7	1.024	0.979	0.999	0.041	0.979	0.012	0.003	0.15	0.67
25	17.000	14.142	0.000	1.051	1083.2	1393.5	535.9	79.9	1.028	0.982	0.998	0.034	0.982	0.008	0.005	0.30	0.47
26	18.000	14.142	0.000	1.051	1082.7	1392.0	535.1	79.9	1.051	1.000	0.999	-0.002	1.000	0.001	0.006	0.33	0.08
27	19.000	14.142	0.000	1.052	1083.8	1392.4	535.7	79.9	1.081	1.022	0.998	-0.047	1.022	-0.005	0.006	0.34	-0.29
28	20.000	14.142	0.000	1.051	1082.4	1391.5	535.2	79.9	1.108	1.053	0.999	-0.088	1.053	-0.010	0.006	0.32	-0.57
30	21.000	14.142	0.000	1.051	1083.6	1392.5	535.6	80.0	1.122	1.054	0.997	-0.110	1.054	-0.015	0.006	0.33	-0.84
31	22.000	14.142	0.000	1.050	1081.8	1391.3	534.4	79.9	1.112	1.048	0.998	-0.098	1.048	-0.016	0.007	0.40	-0.87
32	23.000	14.142	0.000	1.051	1083.0	1389.2	534.2	79.7	1.057	1.005	0.999	-0.011	1.005	-0.002	0.005	0.30	-0.11
33	24.000	14.142	0.000	1.051	1083.2	1389.2	534.3	79.7	1.036	0.988	0.999	0.034	0.988	0.002	0.003	0.18	0.15

DATE 9-MAR-78 PROJECT NO P41C-N0C

Y. AEO, INC.
AEC DIVISION

A SVERDRUP CORPORATION COMPANY
PROPULSION WIND TUNNEL

ARMOLO AIR FORCE STATION, TENNESSEE

TEST PART WEX10-6 ALFA CONFIG SURVEY ALFAS
TC-532 616 3.000 5.00 24 1601 0.01

DATE 2-21-78
AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	EMT
6	-9.000	0.000-14.142	1.050	1081.3	1390.0	533.9	79.4	79.4	1.051	1.001	0.998	-0.004	1.001	0.000	0.004	0.23	0.01
7	-5.000	0.000-14.142	1.049	1080.5	1389.4	533.3	79.4	79.4	1.052	1.003	0.994	-0.007	1.003	0.001	0.004	0.22	0.04
8	-4.000	0.000-14.142	1.047	1078.8	1388.1	532.1	79.4	79.4	1.046	1.000	1.000	0.000	1.000	-0.000	0.004	0.22	-0.00
9	-3.000	0.000-14.142	1.050	1081.4	1389.9	533.9	79.4	79.4	1.049	1.000	0.999	0.000	1.000	-0.000	0.004	0.21	-0.00
10	-2.000	0.000-14.142	1.051	1082.1	1389.4	534.1	79.3	79.3	1.050	1.000	0.999	-0.001	1.000	0.000	0.004	0.23	0.01
11	-1.000	0.000-14.142	1.049	1080.4	1387.3	532.6	79.2	79.2	1.049	1.000	0.999	-0.001	1.000	-0.000	0.004	0.22	-0.02
12	0.000	0.000-14.142	1.051	1082.4	1388.0	533.7	79.3	79.3	1.051	1.000	0.995	-0.002	1.000	-0.000	0.003	0.20	-0.00
13	1.000	0.000-14.142	1.050	1081.7	1388.5	533.5	79.3	79.3	1.055	1.004	0.999	-0.009	1.004	-0.001	0.003	0.17	-0.05
14	2.000	0.000-14.142	1.046	1079.8	1387.7	532.9	79.2	79.2	1.018	0.976	0.999	0.046	0.976	-0.001	-0.004	-0.23	-0.03
15	3.000	0.000-14.142	1.048	1080.1	1387.8	532.6	79.3	79.3	1.012	0.972	1.000	0.057	0.971	-0.001	-0.007	-0.41	-0.03
16	4.000	0.000-14.142	1.048	1080.3	1390.4	533.7	79.3	79.3	1.011	0.971	0.999	0.057	0.971	-0.001	-0.008	-0.46	-0.03
17	5.000	0.000-14.142	1.051	1082.4	1388.2	533.8	79.2	79.2	1.014	0.971	0.999	0.057	0.971	-0.001	-0.008	-0.49	-0.04
18	6.000	0.000-14.142	1.051	1082.3	1389.1	534.2	79.1	79.1	1.025	0.980	0.999	0.039	0.980	-0.001	-0.009	-0.54	-0.04
19	7.000	0.000-14.142	1.051	1082.3	1388.3	533.8	79.1	79.1	1.037	0.989	0.999	0.021	0.989	-0.000	-0.011	-0.61	-0.01
20	8.000	0.000-14.142	1.052	1083.0	1389.6	534.6	79.2	79.2	1.054	1.001	0.998	-0.005	1.001	-0.000	-0.012	-0.71	-0.02
21	9.000	0.000-14.142	1.052	1083.4	1388.7	534.4	79.1	79.1	1.064	1.009	0.999	-0.019	1.009	-0.000	-0.013	-0.71	-0.02
22	10.000	0.000-14.142	1.053	1083.8	1388.7	534.6	79.1	79.1	1.072	1.015	0.999	-0.031	1.015	-0.001	-0.011	-0.61	-0.04
23	11.000	0.000-14.142	1.052	1083.4	1389.4	534.8	79.1	79.1	1.085	1.025	0.999	-0.051	1.025	-0.000	-0.009	-0.51	-0.01
24	12.000	0.000-14.142	1.050	1081.4	1386.1	533.3	79.1	79.1	1.095	1.035	0.999	-0.070	1.035	-0.000	-0.004	-0.22	0.02
25	13.000	0.000-14.142	1.052	1083.4	1388.0	534.2	79.1	79.1	1.103	1.039	0.999	-0.078	1.039	0.001	-0.001	-0.05	0.04
26	14.000	0.000-14.142	1.053	1083.5	1389.4	534.8	79.1	79.1	1.086	1.026	0.997	-0.055	1.026	0.001	-0.002	-0.13	0.07
27	15.000	0.000-14.142	1.052	1083.4	1389.4	534.7	79.1	79.1	0.974	0.938	0.998	0.122	0.937	0.001	-0.016	-0.97	0.06
28	16.000	0.000-14.142	1.051	1081.9	1389.6	534.2	78.9	78.9	0.983	0.946	0.998	0.105	0.946	0.001	-0.013	-0.78	0.04
29	17.000	0.000-14.142	1.051	1082.1	1388.6	533.9	79.1	79.1	1.003	0.962	0.998	0.074	0.962	0.001	-0.013	-0.76	0.04
30	18.000	0.000-14.142	1.053	1084.2	1388.0	534.6	79.0	79.0	1.020	0.974	0.999	0.051	0.974	0.001	-0.012	-0.73	0.04
32	19.000	0.000-14.142	1.051	1082.4	1388.4	533.9	79.1	79.1	1.037	0.989	0.999	0.020	0.989	0.001	-0.013	-0.73	0.01
33	20.000	0.000-14.142	1.048	1079.6	1388.5	532.8	79.0	79.0	1.048	1.000	0.998	-0.003	1.000	0.001	-0.011	-0.61	0.04
34	21.000	0.000-14.142	1.053	1083.8	1388.9	534.7	79.0	79.0	1.067	1.011	0.999	-0.024	1.011	0.001	-0.008	-0.45	0.04
36	22.000	0.000-14.142	1.049	1080.6	1388.8	533.3	79.1	79.1	1.086	1.029	0.997	-0.060	1.029	0.001	-0.002	-0.11	0.06
37	23.000	0.000-14.142	1.051	1081.9	1388.3	533.7	79.1	79.1	1.104	1.041	0.998	-0.085	1.041	0.001	0.004	0.24	0.05
38	24.000	0.000-14.142	1.052	1082.7	1388.9	534.3	79.0	79.0	1.125	1.056	0.997	-0.115	1.056	0.001	0.011	0.61	0.04

DATE 9-MAR-78 PROJECT NO P41C-NOC

ASO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART RX10-6 ALPHA CONFIG SURVEY ALFAS
TC-332 517 3.000 5.00 24 1602 0.00

DATE 2-21-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	14.142	0.000	1.047	1078.9	1389.1	532.7	79.0	1.054	1.005	0.999	-0.012	1.005	0.003	0.001	0.02	0.15
3	-5.000	14.142	0.000	1.049	1080.8	1389.0	533.5	79.0	1.053	1.003	0.999	-0.007	1.003	0.002	0.001	0.07	0.13
4	-4.000	14.142	0.000	1.051	1082.4	1389.1	534.2	79.0	1.054	1.002	0.999	-0.004	1.002	0.002	0.001	0.06	0.10
5	-3.000	14.142	0.000	1.052	1082.6	1388.4	534.2	78.9	1.055	1.003	0.999	-0.007	1.003	0.002	0.001	0.04	0.09
6	-2.000	14.142	0.000	1.052	1082.9	1388.0	534.1	78.9	1.054	1.001	0.999	-0.003	1.001	0.001	0.001	0.03	0.08
7	-1.000	14.142	0.000	1.054	1084.4	1389.5	535.3	79.0	1.051	0.998	0.999	0.003	0.998	0.002	0.001	0.07	0.09
8	0.000	14.142	0.000	1.054	1084.4	1389.5	535.3	79.0	1.051	0.998	0.999	0.003	0.998	0.002	0.001	0.07	0.09
9	1.000	14.142	0.000	1.053	1083.6	1386.2	534.4	79.0	1.037	0.995	0.999	0.002	0.995	0.003	0.002	0.09	0.16
10	2.000	14.142	0.000	1.051	1081.9	1387.8	533.6	78.9	1.013	0.970	0.999	0.054	0.973	0.003	0.001	0.04	0.48
12	3.000	14.142	0.000	1.051	1081.9	1387.8	533.6	78.9	1.013	0.970	0.999	0.054	0.973	0.003	0.001	0.04	0.48
13	4.000	14.142	0.000	1.052	1082.9	1387.9	534.1	78.8	1.013	0.969	0.999	0.051	0.969	0.012	-0.001	-0.05	0.73
14	5.000	14.142	0.000	1.054	1084.4	1388.3	533.8	79.0	1.018	0.972	1.000	0.055	0.972	0.013	-0.001	-0.07	0.78
15	6.000	14.142	0.000	1.051	1081.8	1388.2	533.7	78.9	1.036	0.989	0.999	0.022	0.989	0.015	-0.001	-0.05	0.88
16	7.000	14.142	0.000	1.053	1084.1	1387.9	533.5	79.1	1.045	0.994	0.999	0.011	0.994	0.016	-0.001	-0.04	0.54
18	8.000	14.142	0.000	1.052	1082.6	1387.3	533.7	78.9	1.054	1.002	0.999	-0.005	1.002	0.015	-0.000	-0.02	0.88
19	9.000	14.142	0.000	1.051	1082.4	1389.0	534.2	79.0	1.054	1.010	0.999	-0.021	1.010	0.014	-0.000	-0.01	0.81
20	10.000	14.142	0.000	1.053	1083.8	1389.6	533.1	79.0	1.012	1.015	0.998	-0.032	1.015	0.012	0.001	0.05	0.88
21	11.000	14.142	0.000	1.051	1082.0	1387.5	533.5	78.9	1.079	1.022	0.999	-0.045	1.022	0.009	0.003	0.18	0.48
22	12.000	14.142	0.000	1.053	1084.1	1388.3	534.7	78.9	1.091	1.039	0.999	-0.060	1.039	0.004	0.003	0.17	0.25
23	13.000	14.142	0.000	1.052	1082.9	1387.9	534.1	78.8	1.037	1.034	0.998	-0.070	1.034	0.001	0.003	0.15	0.06
24	14.000	14.142	0.000	1.049	1080.6	1386.8	532.6	78.9	1.014	0.972	0.999	0.054	0.972	0.015	-0.001	-0.05	0.87
25	15.000	14.142	0.000	1.052	1083.0	1387.3	533.9	78.8	1.013	0.969	1.000	0.061	0.969	0.020	0.001	0.06	1.16
27	16.000	14.142	0.000	1.048	1079.1	1387.9	532.4	78.9	1.034	0.965	0.999	0.069	0.965	0.016	0.007	0.40	0.97
28	17.000	14.142	0.000	1.052	1082.7	1386.7	533.5	78.9	1.026	0.980	1.003	0.041	0.979	0.015	0.007	0.43	0.90
29	18.000	14.142	0.000	1.052	1082.8	1388.0	534.1	78.8	1.055	1.002	0.999	-0.006	1.002	0.010	0.010	0.59	0.58
30	19.000	14.142	0.000	1.053	1083.9	1386.2	534.6	78.8	1.034	1.031	0.999	-0.064	1.031	0.002	0.013	0.75	0.13
32	20.000	14.142	0.000	1.053	1083.6	1388.2	534.5	78.9	1.126	1.036	0.999	-0.113	1.036	-0.009	0.016	0.88	-0.47
33	21.000	14.142	0.000	1.053	1084.0	1388.3	534.7	78.9	1.147	1.071	0.997	-0.146	1.071	-0.019	0.020	1.05	-1.02
34	22.000	14.142	0.000	1.052	1082.6	1386.2	534.0	78.9	1.149	1.074	0.995	-0.152	1.073	-0.023	0.023	1.08	-1.02
35	23.000	14.142	0.000	1.051	1082.5	1388.9	534.2	78.9	1.069	1.013	0.998	-0.029	1.013	-0.000	0.015	0.83	-0.02
36	24.000	14.142	0.000	1.050	1080.9	1386.6	532.7	78.8	1.049	1.000	0.999	-0.000	1.000	0.004	0.013	0.75	0.21

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG 25

TC-532 764 3.001 0.00

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
TRANSGNIC 4T

POINT	XT	YT	2T	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	ATL	SWTL
12	-6.000	0.000-14.142	0.926	974.4	1443.3	496.3	80.6	0.937	1.011	0.999	-0.023	1.011	1.007	0.002	0.003	0.18	-0.12
13	-5.000	0.000-14.142	0.923	972.3	1443.3	496.8	80.5	0.930	1.007	0.999	-0.015	1.007	1.007	0.002	0.003	0.18	-0.12
14	-4.000	0.000-14.142	0.922	971.0	1443.4	496.0	80.6	0.929	1.007	0.999	-0.015	1.007	1.007	0.002	0.003	0.17	-0.12
16	-3.000	0.000-14.142	0.926	974.4	1443.5	498.0	80.6	0.929	1.003	0.999	-0.009	1.003	1.003	0.002	0.002	0.14	-0.12
17	-2.000	0.000-14.142	0.924	973.2	1443.2	497.5	80.7	0.931	1.007	0.999	-0.015	1.007	1.007	0.002	0.001	0.07	-0.13
18	-1.000	0.000-14.142	0.924	971.4	1443.0	496.3	80.7	0.928	1.005	0.999	-0.013	1.005	1.005	0.002	0.001	0.04	-0.13
19	0.000	0.000-14.142	0.926	975.1	1443.3	498.6	80.7	0.934	1.007	0.999	-0.015	1.007	1.007	0.002	0.000	0.03	-0.11
20	1.000	0.000-14.142	0.923	971.9	1443.8	496.6	80.7	0.929	1.006	0.999	-0.013	1.006	1.006	0.002	0.001	0.08	-0.10
21	2.000	0.000-14.142	0.921	970.5	1443.8	497.8	80.7	0.929	1.007	0.999	-0.016	1.007	1.007	0.002	0.002	0.13	-0.10
22	3.000	0.000-14.142	0.924	973.0	1443.1	497.4	80.7	0.935	1.010	0.999	-0.023	1.010	1.010	0.002	0.003	0.17	-0.11
24	4.000	0.000-14.142	0.924	973.2	1443.5	497.2	80.7	0.933	1.008	0.999	-0.017	1.008	1.008	0.002	0.003	0.17	-0.12
25	5.000	0.000-14.142	0.925	974.0	1443.6	497.8	80.6	0.940	1.014	0.999	-0.029	1.014	1.014	0.002	0.003	0.19	-0.11
26	6.000	0.000-14.142	0.922	971.1	1443.5	495.7	80.6	0.937	1.014	0.999	-0.029	1.014	1.014	0.002	0.003	0.18	-0.10
27	7.000	0.000-14.142	0.925	974.3	1443.5	498.0	80.6	0.943	1.015	0.999	-0.034	1.015	1.015	0.002	0.003	0.17	-0.09
28	8.000	0.000-14.142	0.924	973.2	1443.2	497.1	80.7	0.940	1.014	0.999	-0.031	1.014	1.014	0.002	0.003	0.16	-0.11
29	9.000	0.000-14.142	0.923	972.4	1443.6	497.2	80.7	0.939	1.015	0.999	-0.032	1.015	1.015	0.002	0.002	0.14	-0.10
30	10.000	0.000-14.142	0.923	972.1	1444.2	496.5	80.7	0.936	1.013	0.999	-0.028	1.013	1.013	0.002	0.002	0.13	-0.13
31	11.000	0.000-14.142	0.923	971.8	1445.1	496.8	80.5	0.937	1.013	0.999	-0.027	1.013	1.013	0.002	0.002	0.13	-0.10
32	12.000	0.000-14.142	0.928	976.2	1445.4	499.4	80.6	0.942	1.013	0.999	-0.028	1.013	1.013	0.002	0.002	0.11	-0.09
35	13.000	0.000-14.142	0.926	974.7	1443.4	497.8	80.7	0.945	1.018	0.999	-0.036	1.018	1.018	0.002	0.001	0.08	-0.10
37	14.000	0.000-14.142	0.925	974.0	1444.0	497.0	80.7	0.946	1.019	0.999	-0.039	1.019	1.019	0.002	0.000	0.01	-0.09
39	15.000	0.000-14.142	0.924	973.4	1444.3	497.3	80.7	0.950	1.024	0.999	-0.049	1.024	1.024	0.001	0.001	0.05	-0.08
42	16.000	0.000-14.142	0.926	975.1	1445.2	498.6	80.7	0.950	1.022	0.999	-0.044	1.022	1.022	0.002	0.003	0.15	-0.10
45	17.000	0.000-14.142	0.926	975.1	1445.9	499.0	80.5	0.948	1.020	0.999	-0.042	1.020	1.020	0.002	0.004	0.24	-0.05
49	18.000	0.000-14.142	0.926	974.9	1444.5	498.3	80.7	0.945	1.017	0.999	-0.036	1.017	1.017	0.002	0.005	0.30	-0.10
52	19.000	0.000-14.142	0.928	976.3	1443.8	499.2	80.7	0.943	1.014	0.999	-0.030	1.014	1.014	0.002	0.006	0.33	-0.10
56	20.000	0.000-14.142	0.925	974.5	1443.9	498.1	80.8	0.941	1.014	0.999	-0.029	1.014	1.014	0.002	0.006	0.33	-0.12
58	21.000	0.000-14.142	0.920	969.7	1443.6	495.3	80.7	0.936	1.015	0.999	-0.031	1.015	1.015	0.002	0.006	0.33	-0.11
62	22.000	0.000-14.142	0.925	973.9	1444.2	497.6	80.7	0.940	1.014	0.999	-0.029	1.014	1.014	0.002	0.006	0.31	-0.13
63	23.000	0.000-14.142	0.928	976.9	1446.1	499.9	80.9	0.940	1.011	0.999	-0.024	1.011	1.011	0.002	0.007	0.36	-0.12
65	24.000	0.000-14.142	0.926	974.8	1445.8	498.6	80.8	0.940	1.014	0.999	-0.029	1.014	1.014	0.003	0.007	0.38	-0.14

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEC DIVISION

A STEVORUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 785 2.998 0.00 25

DATE 2-22-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VNL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-0.000	14.142	0.000	0.924	972.9	1445.0	497.3	80.7	0.926	1.002	0.999	-0.006	1.002	0.002	0.001	0.07	0.09
3	-5.000	14.142	0.000	0.926	974.4	1444.6	498.1	80.6	0.929	1.003	0.999	-0.008	1.003	0.002	0.001	0.05	0.10
4	-4.000	14.142	0.000	0.925	974.0	1444.5	497.8	80.7	0.930	1.005	1.000	-0.010	1.005	0.002	0.001	0.05	0.11
5	-3.000	14.142	0.000	0.925	973.9	1443.7	497.4	80.7	0.928	1.003	1.000	-0.007	1.003	0.003	0.001	0.03	0.15
6	-2.000	14.142	0.000	0.925	973.9	1445.9	498.1	80.9	0.928	1.003	0.999	-0.009	1.003	0.003	0.001	0.03	0.15
7	-1.000	14.142	0.000	0.925	973.9	1445.8	498.1	80.7	0.928	1.003	0.999	-0.008	1.003	0.003	0.001	0.03	0.15
8	0.000	14.142	0.000	0.925	974.0	1446.6	498.4	80.8	0.928	1.003	0.998	-0.009	1.003	0.003	0.001	0.03	0.15
9	1.000	14.142	0.000	0.923	972.3	1444.9	496.8	80.9	0.928	1.005	1.000	-0.010	1.005	0.005	-0.000	-0.00	0.30
10	2.000	14.142	0.000	0.923	972.0	1443.6	495.2	80.7	0.927	1.004	0.999	-0.009	1.004	0.006	0.000	0.02	0.35
11	3.000	14.142	0.000	0.924	973.4	1446.4	498.0	80.7	0.932	1.007	0.998	-0.016	1.007	0.007	-0.000	-0.01	0.39
12	4.000	14.142	0.000	0.924	973.6	1446.3	498.1	80.8	0.934	1.009	0.998	-0.020	1.009	0.006	-0.000	-0.01	0.37
13	5.000	14.142	0.000	0.925	973.7	1445.5	497.9	80.8	0.935	1.010	0.999	-0.021	1.010	0.007	-0.000	-0.01	0.39
14	6.000	14.142	0.000	0.925	974.0	1446.5	498.4	80.7	0.938	1.012	0.999	-0.026	1.012	0.006	-0.000	-0.02	0.35
15	7.000	14.142	0.000	0.925	974.5	1444.6	498.0	80.8	0.938	1.012	0.999	-0.025	1.012	0.006	-0.000	-0.01	0.32
16	8.000	14.142	0.000	0.926	975.3	1445.9	498.9	80.8	0.938	1.011	0.999	-0.023	1.011	0.005	-0.001	-0.03	0.31
17	9.000	14.142	0.000	0.927	975.8	1445.5	498.9	81.0	0.940	1.012	1.000	-0.024	1.012	0.005	-0.001	-0.03	0.35
18	10.000	14.142	0.000	0.928	977.2	1445.4	499.8	80.9	0.938	1.009	0.999	-0.020	1.009	0.005	-0.001	-0.03	0.26
19	11.000	14.142	0.000	0.927	976.2	1446.5	499.6	81.0	0.940	1.012	0.999	-0.025	1.012	0.005	-0.001	-0.03	0.26
20	12.000	14.142	0.000	0.928	976.4	1446.3	499.7	80.9	0.940	1.011	0.999	-0.024	1.011	0.005	-0.001	-0.03	0.28
22	13.000	14.142	0.000	0.925	974.5	1446.5	498.5	81.0	0.940	1.013	0.999	-0.028	1.013	0.004	-0.001	-0.08	0.25
23	14.000	14.142	0.000	0.926	975.5	1446.0	499.0	80.9	0.941	1.014	0.999	-0.029	1.014	0.004	-0.001	-0.06	0.21
25	15.000	14.142	0.000	0.925	974.3	1444.3	497.8	80.8	0.948	1.021	1.000	-0.041	1.021	0.003	-0.002	-0.10	0.16
26	16.000	14.142	0.000	0.928	977.0	1446.1	499.9	80.9	0.950	1.020	0.999	-0.042	1.020	0.001	-0.002	-0.10	0.16
27	17.000	14.142	0.000	0.928	976.7	1445.3	498.5	80.9	0.949	1.019	0.999	-0.040	1.019	0.001	-0.002	-0.11	0.16
29	18.000	14.142	0.000	0.923	976.7	1445.9	499.6	81.0	0.947	1.018	1.000	-0.036	1.018	-0.002	-0.002	-0.12	0.13
31	19.000	14.142	0.000	0.927	976.4	1446.5	498.7	81.0	0.942	1.014	0.999	-0.028	1.014	-0.003	-0.002	-0.13	0.16
33	20.000	14.142	0.000	0.929	978.1	1446.5	500.7	81.0	0.940	1.010	0.999	-0.022	1.010	-0.002	-0.003	-0.15	0.14
35	21.000	14.142	0.000	0.926	975.3	1446.3	498.9	81.1	0.938	1.011	0.999	-0.022	1.011	-0.002	-0.003	-0.17	0.10
36	22.000	14.142	0.000	0.930	974.8	1448.7	501.1	81.1	0.940	1.009	0.999	-0.019	1.009	-0.002	-0.003	-0.14	0.11
42	23.000	14.142	0.000	0.928	977.3	1446.9	500.4	80.9	0.940	1.010	0.999	-0.022	1.010	-0.002	-0.003	-0.16	0.11
44	24.000	14.142	0.000	0.928	976.5	1446.6	499.8	80.9	0.939	1.011	0.999	-0.024	1.011	-0.002	-0.003	-0.19	0.11

DATE 9-MAR-78 PROJECT NO PAIC-N00

ARC, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARMED AIR FORCE STATION, TENNESSEE

TEST PAFT REX10-6 ALFA CONFIG SURVEY ALPAS

TC-532 790 3.003 2.00 25 1601 0.01

DATE 2-22-78
AEDC PROPULSION WIND TUNNEL
THANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	WVL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	ASTL	SWTL
7	-6.000	0.000-14.142	0.926	974.4	1443.6	498.0	80.0	80.0	0.944	1.017	1.000	-0.033	1.017	-0.003	0.004	0.20	-0.14
8	-5.000	0.000-14.142	0.921	969.7	1442.5	494.9	80.0	80.0	0.930	1.009	1.000	-0.017	1.009	-0.002	0.004	0.22	-0.14
9	-4.000	0.000-14.142	0.924	972.0	1443.3	496.6	79.9	80.0	0.932	1.008	1.000	-0.016	1.008	-0.002	0.003	0.17	-0.14
10	-3.000	0.000-14.142	0.923	971.8	1442.4	496.1	80.0	80.0	0.932	1.008	1.000	-0.017	1.008	-0.002	0.003	0.15	-0.14
11	-2.000	0.000-14.142	0.925	973.4	1442.7	497.1	80.0	80.0	0.934	1.008	1.000	-0.017	1.008	-0.002	0.002	0.11	-0.15
12	-1.000	0.000-14.142	0.922	971.0	1443.2	495.9	80.0	80.0	0.932	1.009	1.000	-0.017	1.009	-0.002	0.001	0.07	-0.13
13	0.000	0.000-14.142	0.921	969.8	1443.3	495.6	80.0	80.0	0.930	1.008	0.999	-0.018	1.008	-0.002	0.000	0.02	-0.13
14	1.000	0.000-14.142	0.923	971.8	1442.3	495.1	80.0	80.0	0.933	1.009	1.000	-0.017	1.009	-0.002	-0.001	-0.04	-0.12
15	2.000	0.000-14.142	0.921	969.9	1443.2	495.2	80.0	80.0	0.931	1.009	1.000	-0.019	1.009	-0.002	-0.001	-0.08	-0.13
16	3.000	0.000-14.142	0.924	972.2	1443.2	496.6	80.1	80.0	0.935	1.011	0.999	-0.023	1.011	-0.002	0.002	0.11	-0.13
17	4.000	0.000-14.142	0.925	973.9	1443.2	497.5	80.2	80.0	0.936	1.010	0.999	-0.020	1.010	-0.002	0.003	0.16	-0.14
18	5.000	0.000-14.142	0.924	972.8	1443.4	496.9	80.2	80.0	0.941	1.015	1.000	-0.031	1.015	-0.003	0.003	0.18	-0.15
19	6.000	0.000-14.142	0.922	970.5	1441.9	495.0	80.2	80.0	0.939	1.016	1.000	-0.031	1.016	-0.002	0.003	0.17	-0.14
20	7.000	0.000-14.142	0.926	974.9	1443.6	498.1	80.3	80.0	0.944	1.016	1.000	-0.033	1.016	-0.002	0.003	0.18	-0.12
21	8.000	0.000-14.142	0.926	974.0	1444.1	497.3	80.2	80.0	0.942	1.015	0.999	-0.032	1.015	-0.002	0.003	0.17	-0.12
22	9.000	0.000-14.142	0.924	972.5	1442.9	496.5	80.4	80.0	0.940	1.015	1.000	-0.030	1.015	-0.002	0.002	0.17	-0.12
23	10.000	0.000-14.142	0.923	972.1	1443.5	496.4	80.4	80.0	0.937	1.013	1.000	-0.026	1.013	-0.002	0.003	0.17	-0.12
24	11.000	0.000-14.142	0.924	972.9	1445.3	497.5	80.4	80.0	0.938	1.012	1.000	-0.025	1.012	-0.002	0.003	0.19	-0.13
25	12.000	0.000-14.142	0.924	972.8	1442.8	496.6	80.4	80.0	0.936	1.011	1.000	-0.021	1.011	-0.002	0.003	0.17	-0.10
26	13.000	0.000-14.142	0.927	975.9	1444.5	498.9	80.6	80.0	0.940	1.012	1.000	-0.024	1.012	-0.002	0.003	0.17	-0.10
27	14.000	0.000-14.142	0.924	973.1	1445.5	497.6	80.7	80.0	0.941	1.016	1.000	-0.032	1.016	-0.002	0.002	0.14	-0.10
28	15.000	0.000-14.142	0.928	976.3	1445.0	499.3	80.5	80.0	0.947	1.017	1.000	-0.035	1.017	-0.002	0.002	0.10	-0.09
29	16.000	0.000-14.142	0.925	973.7	1443.9	497.4	80.6	80.0	0.946	1.019	1.000	-0.038	1.019	-0.002	0.001	0.08	-0.10
30	17.000	0.000-14.142	0.929	977.4	1444.8	499.8	80.7	80.0	0.947	1.016	1.000	-0.033	1.016	-0.002	0.000	0.02	-0.10
31	18.000	0.000-14.142	0.926	974.9	1444.7	498.3	80.7	80.0	0.943	1.016	1.000	-0.031	1.016	-0.002	0.000	0.03	-0.09
32	19.000	0.000-14.142	0.927	976.2	1445.8	499.4	80.8	80.0	0.941	1.013	1.000	-0.025	1.013	-0.002	0.001	0.05	-0.10
33	20.000	0.000-14.142	0.925	973.8	1446.4	498.3	80.7	80.0	0.942	1.016	1.000	-0.032	1.016	-0.002	0.001	0.04	-0.12
34	21.000	0.000-14.142	0.928	976.6	1445.4	499.5	80.9	80.0	0.927	1.008	1.000	-0.017	1.008	-0.002	0.001	0.06	-0.12
35	22.000	0.000-14.142	0.928	976.6	1446.8	499.9	80.9	80.0	0.942	1.013	1.000	-0.026	1.013	-0.002	0.001	0.05	-0.12
36	23.000	0.000-14.142	0.924	972.8	1445.7	498.2	80.8	80.0	0.938	1.013	1.000	-0.026	1.013	-0.002	0.001	0.06	-0.13
37	24.000	0.000-14.142	0.925	973.8	1445.9	498.0	80.9	80.0	0.937	1.011	1.000	-0.023	1.011	-0.002	0.002	0.12	-0.13

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

ASDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONF'G 25

TC-532 791 2.986 2.00 SURVEY ALFAS 1602 0.01

ASDC PROPULSION WIND TUNNEL
TRANSONIC 47

DATE
2-22-78

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SAATL
4	-9.000	14.142	0.000	0.923	973.0	1446.4	497.5	81.2	0.930	1.006	1.000	-0.012	1.006	0.001	0.002	0.11	0.03
5	-5.000	14.142	0.000	0.923	973.0	1446.5	497.6	81.3	0.930	1.006	1.000	-0.013	1.006	0.002	0.002	0.09	0.09
6	-4.000	14.142	0.000	0.924	973.5	1447.6	498.2	81.3	0.930	1.006	1.000	-0.011	1.005	0.002	0.001	0.06	0.10
7	-3.000	14.142	0.000	0.922	971.9	1445.4	496.6	81.2	0.929	1.007	1.001	-0.011	1.007	0.002	0.001	0.07	0.11
8	-2.000	14.142	0.000	0.923	973.1	1447.0	497.8	81.3	0.929	1.005	1.000	-0.010	1.005	0.002	0.001	0.07	0.14
9	-1.000	14.142	0.000	0.923	972.9	1447.3	497.7	81.4	0.929	1.005	1.000	-0.011	1.005	0.004	0.001	0.04	0.20
10	0.000	14.142	0.000	0.923	972.4	1448.5	497.9	81.3	0.930	1.007	1.000	-0.014	1.007	0.004	0.001	0.03	0.22
11	1.000	14.142	0.000	0.926	975.3	1447.3	499.1	81.4	0.929	1.003	1.000	-0.007	1.003	0.005	0.001	0.05	0.28
12	2.000	14.142	0.000	0.927	976.2	1448.2	499.9	81.4	0.937	1.010	1.000	-0.018	1.010	0.006	0.000	0.03	0.34
13	3.000	14.142	0.000	0.927	976.1	1447.5	499.6	81.4	0.936	1.009	1.000	-0.018	1.009	0.006	0.001	0.03	0.37
14	4.000	14.142	0.000	0.927	976.5	1448.6	500.2	81.4	0.940	1.012	1.000	-0.025	1.012	0.007	0.000	0.01	0.38
15	5.000	14.142	0.000	0.927	976.8	1448.2	500.3	81.4	0.942	1.013	1.000	-0.026	1.013	0.006	0.000	0.02	0.36
16	6.000	14.142	0.000	0.927	976.7	1448.2	500.2	81.5	0.943	1.014	1.000	-0.029	1.014	0.006	0.000	0.02	0.35
17	7.000	14.142	0.000	0.929	978.0	1448.3	500.9	81.5	0.944	1.014	1.000	-0.029	1.014	0.006	0.000	0.02	0.32
18	8.000	14.142	0.000	0.928	977.7	1447.4	500.4	81.6	0.943	1.014	1.000	-0.028	1.014	0.005	0.001	0.03	0.29
19	9.000	14.142	0.000	0.927	976.4	1446.4	500.1	81.4	0.944	1.015	1.000	-0.031	1.015	0.005	0.000	0.01	0.29
20	10.000	14.142	0.000	0.928	977.2	1447.6	500.2	81.5	0.942	1.013	1.000	-0.026	1.013	0.005	0.000	0.03	0.26
21	11.000	14.142	0.000	0.930	978.8	1448.2	501.4	81.5	0.944	1.013	1.000	-0.026	1.013	0.005	0.001	0.05	0.26
22	12.000	14.142	0.000	0.925	974.6	1447.6	498.7	81.5	0.939	1.013	1.000	-0.025	1.013	0.004	0.001	0.05	0.25
23	13.000	14.142	0.000	0.928	977.2	1448.7	500.6	81.5	0.943	1.014	1.000	-0.028	1.014	0.005	0.001	0.06	0.26
24	14.000	14.142	0.000	0.927	976.3	1447.1	499.5	81.6	0.947	1.019	1.001	-0.037	1.019	0.004	0.002	0.09	0.24
25	15.000	14.142	0.000	0.929	978.6	1448.4	501.3	81.6	0.949	1.018	1.000	-0.038	1.018	0.003	0.002	0.13	0.17
26	16.000	14.142	0.000	0.926	975.6	1448.2	499.5	81.6	0.951	1.023	1.000	-0.046	1.023	0.001	0.002	0.13	0.17
27	17.000	14.142	0.000	0.930	979.2	1447.5	501.3	81.6	0.955	1.023	1.000	-0.046	1.023	0.001	0.003	0.19	0.05
28	18.000	14.142	0.000	0.928	978.0	1447.3	500.5	81.7	0.950	1.020	1.001	-0.039	1.020	0.002	0.004	0.21	0.13
29	19.000	14.142	0.000	0.929	978.1	1448.0	500.8	81.7	0.946	1.016	1.000	-0.032	1.016	0.003	0.004	0.20	0.15
30	20.000	14.142	0.000	0.929	978.5	1448.8	501.2	81.9	0.942	1.014	1.000	-0.028	1.014	0.003	0.004	0.21	0.16
31	21.000	14.142	0.000	0.927	977.2	1449.9	500.8	82.0	0.942	1.014	1.000	-0.026	1.014	0.002	0.003	0.19	0.12
32	22.000	14.142	0.000	0.927	977.0	1448.7	500.4	81.7	0.942	1.013	1.001	-0.026	1.013	0.002	0.004	0.21	0.13
33	23.000	14.142	0.000	0.928	977.6	1450.6	501.3	81.8	0.941	1.013	0.999	-0.026	1.013	0.002	0.004	0.23	0.12
34	24.000	14.142	0.000	0.927	976.8	1449.0	500.3	81.8	0.942	1.014	1.000	-0.028	1.014	0.002	0.003	0.19	0.11

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

APOLLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG 25

TC-532 807 3.001 5.00

SURVEY ALFAS
1601 0.00

DATE
2-27-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	H	VM	PT	O	TT	ML	VML/VM	PTI/PT	CDL	UT/VM	VT/VM	WT/VM	ARL	SKILL
7	-6.000	0.000-14.142	0.926	974.8	1446.4	498.8	80.9	0.934	1.008	0.999	-0.017	1.008	-0.002	0.003	0.15	-0.11	
8	-5.000	0.000-14.142	0.924	973.5	1446.4	498.0	81.0	0.932	1.007	0.999	-0.016	1.007	-0.002	0.003	0.14	-0.13	
9	-3.000	0.000-14.142	0.922	971.6	1445.8	496.7	80.9	0.929	1.006	0.999	-0.014	1.006	-0.002	0.003	0.15	-0.14	
10	-3.000	0.000-14.142	0.924	973.2	1446.3	497.7	81.0	0.930	1.006	0.999	-0.013	1.006	-0.003	0.002	0.12	-0.15	
11	-2.000	0.000-14.142	0.921	970.9	1446.1	496.4	80.9	0.928	1.006	0.999	-0.014	1.006	-0.003	0.002	0.09	-0.15	
12	-1.000	0.000-14.142	0.924	973.5	1447.1	498.2	81.0	0.930	1.006	0.998	-0.014	1.006	-0.003	0.001	0.05	-0.15	
13	0.000	0.000-14.142	0.920	970.1	1446.1	495.9	81.0	0.926	1.006	0.999	-0.013	1.006	-0.002	0.000	0.01	-0.14	
14	1.000	0.000-14.142	0.925	974.5	1447.7	499.0	81.0	0.929	1.003	0.998	-0.010	1.003	-0.003	0.001	0.06	-0.14	
15	2.000	0.000-14.142	0.923	972.6	1447.8	497.9	81.0	0.930	1.006	0.998	-0.016	1.006	-0.002	0.002	0.16	-0.13	
16	3.000	0.000-14.142	0.923	972.5	1446.8	497.5	81.0	0.929	1.005	0.998	-0.013	1.005	-0.003	0.002	0.13	-0.14	
17	4.000	0.000-14.142	0.924	973.0	1447.3	497.9	81.1	0.932	1.008	0.999	-0.019	1.008	-0.002	0.003	0.17	-0.13	
18	5.000	0.000-14.142	0.920	970.0	1446.4	495.8	81.1	0.930	1.009	0.999	-0.018	1.009	-0.002	0.004	0.21	-0.14	
19	6.000	0.000-14.142	0.925	974.1	1446.6	498.3	81.1	0.933	1.008	0.999	-0.018	1.008	-0.002	0.004	0.21	-0.14	
20	7.000	0.000-14.142	0.924	973.7	1447.3	498.3	81.0	0.934	1.009	0.998	-0.020	1.009	-0.003	0.004	0.25	-0.15	
21	8.000	0.000-14.142	0.923	972.5	1447.8	497.8	81.1	0.930	1.007	0.998	-0.017	1.007	-0.003	0.005	0.27	-0.15	
22	9.000	0.000-14.142	0.926	975.6	1447.2	499.4	81.1	0.931	1.004	0.999	-0.010	1.004	-0.002	0.005	0.27	-0.12	
23	10.000	0.000-14.142	0.926	975.7	1446.2	499.0	81.3	0.931	1.004	0.999	-0.011	1.004	-0.002	0.006	0.32	-0.14	
24	11.000	0.000-14.142	0.927	976.5	1448.7	500.3	81.4	0.931	1.004	0.998	-0.011	1.004	-0.002	0.007	0.38	-0.13	
25	12.000	0.000-14.142	0.923	973.1	1447.8	497.9	81.4	0.925	1.001	0.999	-0.005	1.001	-0.002	0.007	0.39	-0.13	
26	13.000	0.000-14.142	0.927	976.0	1447.2	499.6	81.2	0.927	1.001	0.999	-0.003	1.001	-0.002	0.007	0.40	-0.11	
27	14.000	0.000-14.142	0.925	974.9	1445.7	498.4	81.3	0.928	1.003	0.999	-0.007	1.003	-0.002	0.008	0.46	-0.10	
28	15.000	0.000-14.142	0.928	977.2	1446.4	500.0	81.2	0.930	1.002	0.998	-0.007	1.002	-0.002	0.008	0.47	-0.09	
29	16.000	0.000-14.142	0.926	975.7	1446.2	499.0	81.2	0.921	0.995	0.999	-0.008	0.995	-0.001	0.007	0.41	-0.08	
30	17.000	0.000-14.142	0.928	977.0	1446.0	499.7	81.3	0.932	1.004	0.999	-0.009	1.004	-0.001	0.008	0.43	-0.09	
31	18.000	0.000-14.142	0.927	975.8	1446.1	499.1	81.2	0.933	1.006	0.999	-0.013	1.006	-0.001	0.007	0.40	-0.07	
32	19.000	0.000-14.142	0.928	977.4	1447.4	500.4	81.3	0.933	1.004	0.998	-0.012	1.004	-0.001	0.007	0.41	-0.09	
33	20.000	0.000-14.142	0.923	972.6	1447.6	497.9	81.3	0.933	1.009	0.999	-0.020	1.009	-0.001	0.007	0.40	-0.08	
34	21.000	0.000-14.142	0.926	975.6	1447.1	499.3	81.3	0.928	1.002	0.998	-0.006	1.002	-0.002	0.007	0.37	-0.12	
35	22.000	0.000-14.142	0.928	976.9	1447.8	500.2	81.4	0.929	1.001	0.999	-0.005	1.001	-0.002	0.006	0.35	-0.11	
36	23.000	0.000-14.142	0.927	976.7	1447.4	499.9	81.4	0.932	1.005	0.999	-0.011	1.005	-0.002	0.006	0.33	-0.13	
37	24.000	0.000-14.142	0.928	977.3	1447.0	500.2	81.3	0.937	1.008	0.999	-0.017	1.008	-0.002	0.005	0.30	-0.14	

DATE 9-MAR-78 PROJECT NO P41C-H0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PAPT REX10-6 ALFA

TC-532 808 2.995 5.00

CONFIG 25

SURVEY ALFAS

1602 0.01

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSMONIC 4T

POINT	XT	YT	ZT	N	VM	PT	Q	TT	ML	VML/VM	PTI/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SAVL
5	-6.000	14.142	0.000	0.921	971.0	1448.2	496.8	81.5	0.924	1.003	0.999	-0.008	1.003	0.001	0.001	0.08	0.06
6	-5.000	14.142	0.000	0.926	975.6	1448.3	499.6	81.4	0.930	1.004	0.999	-0.010	1.004	0.001	0.001	0.08	0.07
7	-4.000	14.142	0.000	0.926	975.4	1448.1	499.4	81.4	0.929	1.003	0.999	-0.008	1.003	0.002	0.001	0.08	0.09
8	-3.000	14.142	0.000	0.925	975.0	1448.6	499.2	81.6	0.928	1.003	0.999	-0.007	1.003	0.002	0.001	0.07	0.12
9	-2.000	14.142	0.000	0.925	974.7	1447.6	498.8	81.5	0.927	1.002	0.999	-0.005	1.002	0.003	0.001	0.05	0.15
10	-1.000	14.142	0.000	0.924	974.4	1447.4	498.4	81.7	0.928	1.003	1.000	-0.008	1.003	0.003	0.001	0.03	0.18
11	0.000	14.142	0.000	0.925	975.2	1449.2	499.5	81.7	0.928	1.003	0.998	-0.008	1.003	0.004	0.002	0.03	0.22
12	1.000	14.142	0.000	0.924	973.8	1448.2	498.4	81.6	0.927	1.003	0.999	-0.008	1.003	0.005	0.002	0.02	0.25
13	2.000	14.142	0.000	0.923	973.1	1447.3	497.7	81.6	0.928	1.005	1.000	-0.010	1.005	0.006	0.000	0.01	0.32
14	3.000	14.142	0.000	0.923	973.1	1447.6	497.9	81.5	0.929	1.005	0.999	-0.012	1.005	0.006	0.000	0.02	0.35
15	4.000	14.142	0.000	0.923	973.1	1447.7	497.9	81.5	0.930	1.006	0.999	-0.013	1.006	0.007	0.000	0.00	0.37
16	5.000	14.142	0.000	0.924	973.6	1448.7	498.5	81.5	0.932	1.008	0.999	-0.018	1.008	0.006	0.000	0.01	0.36
17	6.000	14.142	0.000	0.928	977.1	1447.5	500.2	81.5	0.935	1.007	0.999	-0.015	1.007	0.007	0.000	0.03	0.38
18	7.000	14.142	0.000	0.929	977.9	1448.3	500.9	81.5	0.940	1.010	0.999	-0.021	1.010	0.006	0.000	0.01	0.36
20	8.000	14.142	0.000	0.927	976.4	1448.2	500.0	81.5	0.940	1.012	0.999	-0.024	1.012	0.006	0.001	0.03	0.34
27	9.000	14.142	0.000	0.926	975.8	1447.9	499.5	81.6	0.934	1.007	0.999	-0.016	1.007	0.006	0.001	0.05	0.34
28	10.000	14.142	0.000	0.928	977.7	1448.6	500.5	81.5	0.935	1.006	0.998	-0.014	1.006	0.006	0.001	0.06	0.33
29	11.000	14.142	0.000	0.924	974.3	1447.8	498.5	81.7	0.931	1.006	0.999	-0.014	1.006	0.006	0.002	0.10	0.34
30	12.000	14.142	0.000	0.926	975.4	1447.3	499.1	81.5	0.933	1.006	0.999	-0.014	1.006	0.005	0.002	0.14	0.35
31	13.000	14.142	0.000	0.929	978.4	1448.1	501.1	81.6	0.937	1.008	0.999	-0.018	1.008	0.007	0.003	0.17	0.36
33	14.000	14.142	0.000	0.928	977.2	1448.4	500.5	81.6	0.944	1.015	0.999	-0.032	1.015	0.007	0.005	0.26	0.40
34	15.000	14.142	0.000	0.928	977.8	1447.9	500.7	81.5	0.945	1.015	0.999	-0.032	1.015	0.007	0.006	0.34	0.37
37	16.000	14.142	0.000	0.927	976.8	1447.8	500.0	81.6	0.953	1.024	0.999	-0.039	1.024	0.004	0.008	0.43	0.25
38	17.000	14.142	0.000	0.927	976.7	1448.0	500.0	81.6	0.958	1.028	0.999	-0.058	1.028	0.001	0.010	0.58	0.07
39	18.000	14.142	0.000	0.926	975.9	1448.6	499.8	81.7	0.945	1.018	0.999	-0.037	1.018	-0.002	0.012	0.66	-0.09
46	19.000	14.142	0.000	0.926	975.8	1447.6	499.4	81.6	0.940	1.013	0.999	-0.027	1.013	-0.002	0.012	0.70	-0.11
47	20.000	14.142	0.000	0.928	977.6	1447.5	500.4	81.7	0.937	1.009	0.999	-0.018	1.009	-0.002	0.013	0.74	-0.09
49	21.000	14.142	0.000	0.926	975.8	1447.7	499.4	81.7	0.936	1.009	0.999	-0.030	1.009	-0.001	0.013	0.73	-0.07
50	22.000	14.142	0.000	0.929	978.9	1448.9	501.6	81.7	0.937	1.007	0.999	-0.037	1.007	-0.001	0.013	0.74	-0.04
55	23.000	14.142	0.000	0.925	974.6	1447.5	498.6	81.7	0.936	1.008	0.999	-0.022	1.010	-0.000	0.013	0.73	-0.03
56	24.000	14.142	0.000	0.928	978.0	1447.5	500.6	81.7	0.937	1.008	0.999	-0.017	1.007	-0.001	0.013	0.75	-0.04

DATE 9-MAR-78 PROJECT NO P41C-H0C

ARO, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART MEX10-6 ALPHA

CONFIG 25

SURVEY ALFAS

1601 0.01

TC-532 816 3.005

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	ATL	SWTL
7	-6.000	0.000-14.142	0.954	1001.6	1430.7	510.9	83.0	83.0	0.957	1.014	0.998	-0.031	1.014	-0.003	0.003	0.20	-0.16
8	-5.000	0.000-14.142	0.946	995.2	1439.7	507.0	83.0	83.0	0.957	1.010	0.998	-0.031	1.010	-0.003	0.004	0.22	-0.16
11	-4.000	0.000-14.142	0.950	998.4	1439.5	508.6	83.0	83.0	0.957	1.006	0.999	-0.014	1.006	-0.003	0.004	0.20	-0.17
12	-3.000	0.000-14.142	0.948	997.0	1439.1	507.8	83.0	83.0	0.957	1.007	0.999	-0.016	1.007	-0.003	0.004	0.16	-0.15
13	-2.000	0.000-14.142	0.949	996.6	1440.7	508.2	82.9	82.9	0.956	1.007	0.999	-0.017	1.007	-0.003	0.002	0.12	-0.15
14	-1.000	0.000-14.142	0.951	999.7	1441.0	510.0	82.9	82.9	0.958	1.006	0.998	-0.015	1.006	-0.003	0.001	0.04	-0.17
15	0.000	0.000-14.142	0.954	1001.5	1429.8	507.2	82.8	82.8	0.957	1.003	0.997	-0.011	1.003	-0.003	0.000	0.01	-0.17
16	1.000	0.000-14.142	0.947	995.3	1434.5	505.3	82.9	82.9	0.957	1.009	0.999	-0.020	1.009	-0.003	-0.001	-0.05	-0.12
17	2.000	0.000-14.142	0.948	996.7	1437.5	507.2	82.9	82.9	0.956	1.009	0.998	-0.020	1.009	-0.003	-0.002	-0.13	-0.16
18	3.000	0.000-14.142	0.949	997.4	1436.5	507.2	82.9	82.9	0.960	1.010	0.998	-0.022	1.010	-0.003	-0.003	-0.18	-0.19
19	4.000	0.000-14.142	0.948	996.5	1437.2	506.9	83.0	83.0	0.965	1.015	0.999	-0.032	1.015	-0.003	-0.004	-0.20	-0.17
20	5.000	0.000-14.142	0.947	995.3	1439.4	507.0	83.0	83.0	0.965	1.017	0.999	-0.036	1.017	-0.003	-0.004	-0.21	-0.19
21	6.000	0.000-14.142	0.949	997.8	1434.7	508.1	83.0	83.0	0.971	1.019	0.999	-0.040	1.019	-0.003	-0.003	-0.17	-0.18
22	7.000	0.000-14.142	0.947	995.8	1437.4	506.7	82.8	82.8	0.968	1.018	0.999	-0.038	1.018	-0.003	-0.003	-0.14	-0.18
23	8.000	0.000-14.142	0.947	995.7	1439.3	507.3	82.8	82.8	0.969	1.019	0.999	-0.040	1.019	-0.003	-0.002	-0.13	-0.17
24	9.000	0.000-14.142	0.950	998.6	1438.8	508.6	82.9	82.9	0.966	1.014	0.999	-0.030	1.014	-0.003	-0.002	-0.13	-0.18
25	10.000	0.000-14.142	0.951	999.4	1439.4	509.3	83.0	83.0	0.967	1.015	0.999	-0.031	1.015	-0.003	-0.002	-0.11	-0.18
26	11.000	0.000-14.142	0.952	1000.4	1441.4	510.5	83.1	83.1	0.970	1.015	0.998	-0.034	1.015	-0.003	-0.002	-0.13	-0.18
27	12.000	0.000-14.142	0.951	999.8	1438.4	509.1	83.1	83.1	0.966	1.013	0.999	-0.028	1.013	-0.003	-0.002	-0.12	-0.16
31	13.000	0.000-14.142	0.951	999.3	1435.5	507.1	83.2	83.2	0.973	1.020	0.999	-0.041	1.020	-0.003	-0.002	-0.10	-0.15
33	14.000	0.000-14.142	0.948	997.1	1435.7	506.6	83.2	83.2	0.972	1.021	0.999	-0.044	1.021	-0.003	-0.001	-0.03	-0.16
37	15.000	0.000-14.142	0.950	998.8	1438.4	508.5	83.2	83.2	0.982	1.028	0.999	-0.058	1.028	-0.003	0.000	0.01	-0.14
38	16.000	0.000-14.142	0.955	1002.8	1438.4	510.7	83.2	83.2	0.980	1.022	0.998	-0.047	1.022	-0.002	0.003	0.15	-0.13
40	17.000	0.000-14.142	0.952	1000.4	1437.2	509.0	83.2	83.2	0.987	1.031	1.000	-0.063	1.031	-0.003	0.005	0.25	-0.15
43	18.000	0.000-14.142	0.952	1000.5	1433.7	507.7	83.3	83.3	0.983	1.027	1.000	-0.055	1.027	-0.003	0.006	0.35	-0.16
46	19.000	0.000-14.142	0.950	998.7	1436.8	507.9	83.0	83.0	0.976	1.022	0.999	-0.046	1.022	-0.003	0.007	0.42	-0.15
50	20.000	0.000-14.142	0.951	999.5	1437.5	508.6	83.0	83.0	0.970	1.017	0.999	-0.036	1.017	-0.003	0.007	0.41	-0.17
53	21.000	0.000-14.142	0.954	1002.0	1437.8	510.1	83.2	83.2	0.970	1.014	0.999	-0.030	1.014	-0.003	0.007	0.39	-0.18
56	22.000	0.000-14.142	0.952	1000.2	1430.0	506.4	83.0	83.0	0.964	1.011	0.999	-0.024	1.011	-0.003	0.007	0.39	-0.18
60	23.000	0.000-14.142	0.953	1001.5	1437.9	509.9	83.1	83.1	0.973	1.017	0.999	-0.037	1.017	-0.003	0.007	0.37	-0.17
61	24.000	0.000-14.142	0.955	1002.5	1438.1	510.5	83.0	83.0	0.973	1.016	0.998	-0.036	1.016	-0.004	0.007	0.38	-0.20

DATE 9-MAR-78 PROJECT NO P41C-NOC

ARG, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 817 2.998 0.00 25

SURVEY ALFA 1602 0.01

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	N	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SNL
3	-6.000	14.142	0.000	0.847	996.2	1430.6	507.9	83.0	0.955	1.007	0.998	-0.017	1.007	0.000	0.001	0.04	0.02
4	-5.000	14.142	0.000	0.951	999.7	1439.8	509.6	83.0	0.958	1.006	0.999	-0.013	1.006	0.000	0.002	0.09	0.02
5	-4.000	14.142	0.000	0.953	1000.6	1430.6	506.9	82.9	0.958	1.005	0.998	-0.013	1.005	0.001	0.001	0.08	0.03
6	-3.000	14.142	0.000	0.952	1000.5	1435.9	508.5	83.0	0.960	1.007	0.999	-0.015	1.007	0.001	0.001	0.05	0.08
7	-2.000	14.142	0.000	0.951	999.5	1436.4	508.2	83.0	0.960	1.008	0.999	-0.017	1.008	0.002	0.001	0.07	0.09
8	-1.000	14.142	0.000	0.951	999.7	1437.4	508.7	83.0	0.956	1.004	0.999	-0.011	1.004	0.003	0.001	0.06	0.15
9	0.000	14.142	0.000	0.950	998.3	1438.8	508.4	83.1	0.956	1.006	0.999	-0.012	1.006	0.003	0.001	0.04	0.19
10	1.000	14.142	0.000	0.949	998.0	1438.4	508.0	83.2	0.956	1.006	0.999	-0.013	1.006	0.004	0.001	0.04	0.25
11	2.000	14.142	0.000	0.949	998.2	1438.0	508.0	83.2	0.956	1.006	0.999	-0.013	1.006	0.005	0.001	0.05	0.29
12	3.000	14.142	0.000	0.950	998.9	1430.8	509.5	83.0	0.961	1.009	0.999	-0.021	1.009	0.006	0.000	0.00	0.34
13	4.000	14.142	0.000	0.950	998.9	1439.2	508.9	83.0	0.963	1.011	0.999	-0.024	1.011	0.006	0.000	0.00	0.34
14	5.000	14.142	0.000	0.951	999.5	1439.5	509.4	83.0	0.967	1.014	0.999	-0.028	1.014	0.006	0.000	0.00	0.36
15	6.000	14.142	0.000	0.953	1000.9	1430.4	510.5	83.0	0.973	1.018	0.999	-0.036	1.018	0.006	0.000	0.01	0.32
16	7.000	14.142	0.000	0.950	998.2	1437.8	508.0	83.0	0.970	1.018	1.000	-0.035	1.013	0.005	0.000	0.00	0.28
17	8.000	14.142	0.000	0.954	1001.8	1431.2	507.7	83.0	0.973	1.017	0.998	-0.037	1.017	0.004	0.000	0.00	0.25
18	9.000	14.142	0.000	0.949	997.6	1433.6	506.2	83.1	0.966	1.015	0.999	-0.031	1.015	0.004	0.000	0.01	0.22
19	10.000	14.142	0.000	0.952	1000.0	1437.7	509.0	83.0	0.967	1.014	0.999	-0.030	1.014	0.004	0.001	0.04	0.21
20	11.000	14.142	0.000	0.954	1001.6	1436.3	510.1	83.0	0.967	1.012	0.998	-0.027	1.012	0.004	0.000	0.03	0.21
21	12.000	14.142	0.000	0.949	997.4	1439.2	508.1	82.9	0.964	1.014	0.998	-0.030	1.014	0.004	0.000	0.02	0.22
22	13.000	14.142	0.000	0.951	999.6	1438.7	509.2	82.9	0.965	1.012	0.999	-0.027	1.012	0.004	0.000	0.06	0.23
23	14.000	14.142	0.000	0.954	1001.6	1438.9	510.4	82.9	0.972	1.017	0.999	-0.035	1.017	0.004	0.001	0.03	0.22
24	15.000	14.142	0.000	0.953	1000.9	1440.3	510.5	82.9	0.978	1.022	0.998	-0.046	1.022	0.004	0.001	0.05	0.20
25	16.000	14.142	0.000	0.953	1000.6	1439.5	510.7	82.9	0.982	1.026	0.998	-0.055	1.026	0.004	0.001	0.04	0.14
26	17.000	14.142	0.000	0.954	1001.8	1439.6	510.7	82.9	0.989	1.031	0.999	-0.064	1.031	0.005	0.001	0.05	0.14
27	18.000	14.142	0.000	0.953	1000.6	1439.5	510.7	82.9	0.989	1.031	0.999	-0.064	1.031	0.005	0.001	0.05	0.14
28	19.000	14.142	0.000	0.947	996.1	1439.1	507.3	83.0	0.971	1.021	0.999	-0.043	1.021	0.005	0.002	0.10	0.26
29	20.000	14.142	0.000	0.945	994.3	1435.3	504.7	83.2	0.969	1.021	0.999	-0.044	1.021	0.005	0.002	0.11	0.30
30	21.000	14.142	0.000	0.945	1000.1	1438.5	509.2	83.3	0.969	1.016	0.998	-0.034	1.016	0.004	0.002	0.11	0.25
31	22.000	14.142	0.000	0.949	998.0	1439.0	503.3	83.2	0.963	1.012	0.999	-0.026	1.012	0.004	0.002	0.11	0.22
32	23.000	14.142	0.000	0.952	1000.8	1439.5	510.0	83.2	0.968	1.014	0.999	-0.030	1.014	0.004	0.002	0.13	0.21
33	24.000	14.142	0.000	0.952	1000.2	1440.2	509.8	83.3	0.965	1.012	0.999	-0.035	1.012	0.003	0.002	0.11	0.16
34	25.000	14.142	0.000	0.952	1000.5	1439.9	506.5	83.1	0.962	1.009	0.998	-0.030	1.009	0.003	0.002	0.10	0.16

DATE 9-MAR-78 PROJECT NO P41C-NOC
 ARO, INC.
 AEC DIVISION
 A SVERDRUP CORPORATION COMPANY
 PROULSTON WIND TUNNEL
 ARMED AIR FORCE STATION, TENNESSEE
 TEST PART REX10-6 ALFA CONFIG 25
 TC-512 819 2.995 2.00

DATE 2-22-78
 AEC PROULSTON WIND TUNNEL
 TRANSMIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AAIL	SWIL
8	-6.000	0.000-14.142	0.949	997.5	1438.9	508.0	83.1	0.963	1.013	0.999	-0.027	1.013	-0.003	0.004	0.21	-0.16	
9	-5.000	0.000-14.142	0.948	996.4	1439.4	507.6	83.0	0.959	1.011	0.999	-0.022	1.010	-0.002	0.004	0.22	-0.12	
10	-4.000	0.000-14.142	0.948	996.5	1440.0	507.7	83.3	0.956	1.007	0.999	-0.017	1.007	-0.002	0.004	0.20	-0.14	
11	-3.000	0.000-14.142	0.949	997.5	1439.7	508.2	83.3	0.958	1.008	0.999	-0.018	1.008	-0.003	0.003	0.15	-0.16	
12	-2.000	0.000-14.142	0.947	995.9	1440.3	507.5	83.3	0.954	1.007	0.999	-0.015	1.007	-0.003	0.002	0.11	-0.16	
13	-1.000	0.000-14.142	0.949	997.9	1439.8	508.4	83.3	0.959	1.009	0.999	-0.018	1.009	-0.003	0.001	0.08	-0.16	
14	0.000	0.000-14.142	0.947	996.1	1440.5	507.7	83.3	0.954	1.007	0.998	-0.016	1.007	-0.003	0.000	0.02	-0.18	
15	1.000	0.000-14.142	0.946	995.0	1440.8	507.2	83.1	0.955	1.008	0.998	-0.019	1.008	-0.003	0.001	0.04	-0.15	
16	2.000	0.000-14.142	0.949	998.0	1440.5	508.6	83.2	0.961	1.011	0.999	-0.023	1.011	-0.003	0.002	0.10	-0.15	
17	3.000	0.000-14.142	0.949	997.3	1441.1	508.6	83.2	0.960	1.010	0.998	-0.023	1.010	-0.003	0.002	0.13	-0.18	
18	4.000	0.000-14.142	0.951	999.2	1441.2	509.7	83.1	0.967	1.014	0.998	-0.032	1.014	-0.003	0.003	0.16	-0.18	
19	5.000	0.000-14.142	0.952	1000.2	1440.0	509.9	83.0	0.969	1.015	0.999	-0.032	1.015	-0.003	0.003	0.17	-0.17	
20	6.000	0.000-14.142	0.950	998.5	1440.8	509.2	83.1	0.972	1.020	0.999	-0.041	1.020	-0.003	0.003	0.17	-0.16	
21	7.000	0.000-14.142	0.949	997.7	1440.5	508.6	83.2	0.968	1.017	0.998	-0.037	1.017	-0.003	0.003	0.15	-0.17	
22	8.000	0.000-14.142	0.949	997.8	1440.3	508.5	83.3	0.966	1.015	0.998	-0.033	1.015	-0.003	0.002	0.13	-0.18	
23	9.000	0.000-14.142	0.951	999.6	1439.9	509.4	83.3	0.966	1.013	0.999	-0.027	1.013	-0.003	0.002	0.14	-0.15	
24	10.000	0.000-14.142	0.953	1001.2	1441.3	510.9	83.1	0.966	1.012	0.998	-0.025	1.012	-0.003	0.003	0.13	-0.17	
25	11.000	0.000-14.142	0.953	1001.4	1442.5	511.4	83.1	0.965	1.010	0.997	-0.025	1.010	-0.003	0.003	0.12	-0.17	
26	12.000	0.000-14.142	0.953	1001.3	1439.5	510.2	83.3	0.964	1.010	0.999	-0.022	1.010	-0.003	0.003	0.19	-0.16	
27	13.000	0.000-14.142	0.952	1003.4	1440.6	510.2	83.1	0.965	1.011	0.998	-0.025	1.011	-0.003	0.003	0.19	-0.15	
29	14.000	0.000-14.142	0.950	998.9	1440.9	509.4	83.3	0.968	1.016	0.998	-0.034	1.016	-0.002	0.003	0.16	-0.13	
31	15.000	0.000-14.142	0.950	998.6	1439.8	505.1	83.1	0.963	1.011	0.999	-0.025	1.011	-0.002	0.002	0.09	-0.13	
33	16.000	0.000-14.142	0.949	998.1	1435.0	506.9	83.3	0.972	1.020	0.999	-0.043	1.020	-0.003	0.001	0.04	-0.13	
35	17.000	0.000-14.142	0.954	1002.0	1436.7	509.6	83.3	0.976	1.020	0.999	-0.042	1.020	-0.002	0.001	0.04	-0.13	
37	18.000	0.000-14.142	0.951	999.8	1438.5	509.0	83.3	0.971	1.018	0.999	-0.037	1.018	-0.003	0.002	0.09	-0.15	
39	19.000	0.000-14.142	0.951	999.6	1439.4	509.4	83.1	0.966	1.013	0.998	-0.029	1.013	-0.002	0.002	0.12	-0.13	
44	20.000	0.000-14.142	0.953	1000.8	1439.6	510.1	83.0	0.966	1.012	0.999	-0.026	1.012	-0.003	0.002	0.12	-0.15	
46	21.000	0.000-14.142	0.954	1001.7	1436.1	509.4	83.1	0.970	1.015	0.998	-0.031	1.015	-0.002	0.001	0.06	-0.14	
47	22.000	0.000-14.142	0.955	1001.2	1436.9	510.3	83.3	0.969	1.012	0.996	-0.024	1.012	-0.003	0.002	0.03	-0.15	
51	23.000	0.000-14.142	0.948	998.8	1436.9	506.9	83.0	0.963	1.014	0.999	-0.029	1.014	-0.003	0.002	0.03	-0.17	
52	24.000	0.000-14.142	0.949	998.0	1438.4	505.0	83.3	0.963	1.012	0.999	-0.026	1.012	-0.003	0.003	0.15	-0.18	

AD-A077 612

NIELSEN ENGINEERING AND RESEARCH INC MOUNTAIN VIEW CALIF F/6 20/4
DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS A--ETC(U)
MAY 78 S S STAHARA , A J CRISALLI F44620-75-C-0047

UNCLASSIFIED

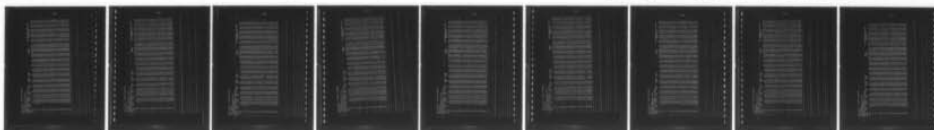
NEAR-TR-163-VOL-3

AFOSR-TR-79-1072

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DATE 9-MAR-78 PROJECT NO P41C-NOC

APJ, INC.

AEC DIVISION

A STEVENS CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-532 820 2.993 2.00 25

SURVEY ALFA
1602 0.01DATE
2-22-78AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	STLT
1	-6.000	14.142	0.000	0.949	997.9	1438.6	508.0	83.4	0.957	1.007	0.999	-0.016	1.007	0.000	0.001	0.08	0.03
2	-5.000	14.142	0.000	0.948	997.3	1438.5	507.7	83.2	0.957	1.008	1.000	-0.016	1.008	0.001	0.002	0.10	0.03
3	-4.000	14.142	0.000	0.949	997.5	1438.8	508.1	83.1	0.957	1.007	0.999	-0.014	1.007	0.001	0.001	0.08	0.06
4	-3.000	14.142	0.000	0.949	997.5	1438.6	508.0	83.0	0.954	1.005	1.000	-0.010	1.005	0.002	0.001	0.08	0.06
5	-2.000	14.142	0.000	0.950	998.1	1440.7	509.0	83.1	0.955	1.005	0.999	-0.012	1.005	0.002	0.001	0.06	0.10
6	-1.000	14.142	0.000	0.948	997.1	1438.5	507.7	83.0	0.952	1.003	0.999	-0.008	1.003	0.003	0.001	0.07	0.17
7	0.000	14.142	0.000	0.953	1000.8	1441.4	510.7	83.0	0.958	1.004	0.999	-0.011	1.004	0.003	0.001	0.05	0.19
8	1.000	14.142	0.000	0.949	997.7	1438.7	504.6	83.0	0.950	1.001	0.999	-0.003	1.001	0.004	0.001	0.05	0.14
9	2.000	14.142	0.000	0.950	998.6	1438.6	507.1	83.2	0.958	1.007	0.999	-0.015	1.007	0.005	0.001	0.03	0.10
10	3.000	14.142	0.000	0.952	1000.3	1438.1	509.2	83.3	0.963	1.010	0.998	-0.023	1.010	0.006	0.000	0.02	0.34
11	4.000	14.142	0.000	0.951	999.6	1437.5	508.5	83.3	0.965	1.012	0.999	-0.026	1.012	0.007	0.000	0.01	0.37
12	5.000	14.142	0.000	0.952	1000.4	1439.5	509.7	83.3	0.970	1.016	0.998	-0.034	1.016	0.006	0.001	0.04	0.35
13	6.000	14.142	0.000	0.951	999.8	1438.0	508.9	83.2	0.974	1.016	0.999	-0.034	1.016	0.006	0.000	0.03	0.32
14	7.000	14.142	0.000	0.954	1002.1	1440.5	511.0	83.3	0.974	1.018	0.998	-0.039	1.018	0.005	0.000	0.02	0.28
15	8.000	14.142	0.000	0.952	1000.1	1440.0	509.7	83.3	0.973	1.019	0.999	-0.040	1.019	0.004	0.000	0.02	0.25
16	9.000	14.142	0.000	0.951	999.8	1439.0	509.2	83.3	0.965	1.012	0.999	-0.026	1.012	0.004	0.001	0.04	0.22
17	10.000	14.142	0.000	0.951	999.9	1440.7	509.8	83.4	0.968	1.015	0.999	-0.030	1.015	0.004	0.001	0.03	0.23
18	11.000	14.142	0.000	0.951	999.6	1440.9	509.7	83.3	0.963	1.010	0.999	-0.022	1.010	0.004	0.001	0.05	0.23
19	12.000	14.142	0.000	0.953	1001.2	1439.6	510.3	83.2	0.964	1.010	0.999	-0.022	1.010	0.004	0.001	0.05	0.22
20	13.000	14.142	0.000	0.950	998.8	1439.6	508.9	83.3	0.966	1.014	0.999	-0.030	1.014	0.004	0.001	0.07	0.25
21	14.000	14.142	0.000	0.953	1001.8	1440.5	510.9	83.3	0.972	1.016	0.999	-0.033	1.016	0.004	0.002	0.09	0.25
22	15.000	14.142	0.000	0.952	1000.5	1439.9	509.9	83.3	0.973	1.019	0.999	-0.039	1.019	0.004	0.002	0.10	0.21
23	16.000	14.142	0.000	0.952	1000.8	1441.0	510.5	83.3	0.983	1.027	0.999	-0.056	1.027	0.003	0.003	0.15	0.15
24	17.000	14.142	0.000	0.950	998.8	1439.6	508.9	83.3	0.968	1.034	0.999	-0.069	1.034	0.001	0.004	0.21	0.08
25	18.000	14.142	0.000	0.952	1000.7	1441.1	510.4	83.3	0.990	1.033	0.999	-0.068	1.033	0.005	0.004	0.20	0.29
26	19.000	14.142	0.000	0.950	998.9	1440.6	509.3	83.3	0.971	1.019	0.999	-0.039	1.019	0.005	0.004	0.23	0.26
27	20.000	14.142	0.000	0.955	1003.1	1440.3	511.5	83.3	0.968	1.012	0.999	-0.026	1.012	0.004	0.004	0.24	0.24
28	21.000	14.142	0.000	0.954	1002.3	1440.6	511.1	83.4	0.964	1.010	0.999	-0.022	1.010	0.004	0.004	0.24	0.20
29	22.000	14.142	0.000	0.950	999.1	1435.0	507.4	83.3	0.961	1.012	1.001	-0.023	1.012	0.003	0.004	0.22	0.19
30	23.000	14.142	0.000	0.952	1000.7	1435.0	508.2	83.4	0.968	1.014	0.999	-0.028	1.014	0.003	0.004	0.20	0.15
31	24.000	14.142	0.000	0.953	1001.4	1437.4	509.4	83.4	0.969	1.014	0.999	-0.030	1.014	0.003	0.004	0.20	0.19

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARG, INC.

AEC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART RX10-6 ALFA CONFIC SURVEY ALFAS
TC-332 831 2.991 5.00 25 1601 0.00

DATE 2-22-78
AEC PROPULSION WIND TUNNEL
TRANSONIC 41

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AAIL	SMIL
8	-6.000	0.000-14.142	0.000-14.142	0.950	999.0	1436.8	509.0	83.3	0.962	1.011	1.000	-0.022	1.011	-0.002	0.004	0.20	-0.12
9	-5.000	0.000-14.142	0.000-14.142	0.951	1000.0	1434.5	507.7	83.4	0.965	1.012	0.998	-0.027	1.012	-0.002	0.003	0.15	-0.11
10	-4.000	0.000-14.142	0.000-14.142	0.949	997.5	1437.0	507.1	83.4	0.958	1.008	0.999	-0.019	1.008	-0.002	0.003	0.16	-0.13
11	-3.000	0.000-14.142	0.000-14.142	0.946	995.5	1437.6	506.3	83.4	0.954	1.007	0.998	-0.017	1.007	-0.002	0.002	0.13	-0.13
12	-2.000	0.000-14.142	0.000-14.142	0.943	997.4	1438.7	507.7	83.3	0.957	1.008	0.999	-0.018	1.008	-0.002	0.002	0.11	-0.11
13	-1.000	0.000-14.142	0.000-14.142	0.947	995.9	1439.6	507.2	83.3	0.955	1.008	0.998	-0.018	1.008	-0.002	0.001	0.04	-0.12
14	0.000	0.000-14.142	0.000-14.142	0.949	998.2	1438.9	508.2	83.3	0.958	1.008	0.999	-0.016	1.008	-0.002	0.000	-0.01	-0.12
15	1.000	0.000-14.142	0.000-14.142	0.947	995.9	1439.1	507.1	83.3	0.955	1.007	0.999	-0.016	1.007	-0.002	0.001	-0.04	-0.12
16	2.000	0.000-14.142	0.000-14.142	0.949	997.5	1440.0	508.3	83.2	0.958	1.009	0.999	-0.021	1.009	-0.002	0.002	-0.10	-0.10
17	3.000	0.000-14.142	0.000-14.142	0.948	996.4	1440.3	507.9	83.0	0.958	1.009	0.998	-0.021	1.009	-0.002	0.003	-0.14	-0.12
18	4.000	0.000-14.142	0.000-14.142	0.949	997.5	1438.9	508.0	83.1	0.960	1.010	0.999	-0.021	1.010	-0.002	0.003	-0.16	-0.11
19	5.000	0.000-14.142	0.000-14.142	0.948	996.6	1440.4	507.9	83.2	0.963	1.014	0.999	-0.030	1.014	-0.002	0.004	-0.21	-0.11
20	6.000	0.000-14.142	0.000-14.142	0.951	999.0	1440.6	509.5	83.1	0.966	1.013	0.998	-0.029	1.013	-0.002	0.004	-0.22	-0.11
21	7.000	0.000-14.142	0.000-14.142	0.950	998.3	1439.4	509.6	83.1	0.963	1.012	0.999	-0.026	1.012	-0.002	0.004	-0.23	-0.11
22	8.000	0.000-14.142	0.000-14.142	0.950	998.6	1441.2	509.5	83.0	0.965	1.013	0.998	-0.029	1.013	-0.002	0.005	-0.26	-0.09
23	9.000	0.000-14.142	0.000-14.142	0.948	996.9	1438.8	507.7	83.0	0.958	1.008	0.999	-0.019	1.008	-0.002	0.003	-0.24	-0.10
24	10.000	0.000-14.142	0.000-14.142	0.948	996.8	1439.4	508.8	83.0	0.954	1.005	0.999	-0.012	1.005	-0.002	0.006	-0.32	-0.10
25	11.000	0.000-14.142	0.000-14.142	0.949	997.6	1440.3	508.6	83.0	0.953	1.004	0.998	-0.010	1.004	-0.002	0.006	-0.35	-0.11
26	12.000	0.000-14.142	0.000-14.142	0.950	998.9	1441.0	509.5	83.2	0.954	1.004	0.999	-0.009	1.004	-0.002	0.007	-0.42	-0.09
27	13.000	0.000-14.142	0.000-14.142	0.952	1000.2	1430.1	506.3	83.2	0.950	0.998	0.999	0.002	0.998	-0.002	0.007	-0.39	-0.10
31	14.000	0.000-14.142	0.000-14.142	0.951	999.6	1437.8	508.7	83.3	0.960	1.008	0.998	-0.018	1.008	-0.001	0.008	-0.47	-0.07
34	15.000	0.000-14.142	0.000-14.142	0.953	1001.2	1439.8	510.3	83.3	0.961	1.007	0.999	-0.016	1.007	-0.001	0.006	-0.47	-0.08
36	16.000	0.000-14.142	0.000-14.142	0.952	1000.1	1440.2	509.8	83.3	0.965	1.012	0.998	-0.027	1.012	-0.001	0.008	-0.44	-0.07
39	17.000	0.000-14.142	0.000-14.142	0.951	999.0	1440.1	509.3	83.1	0.965	1.013	0.999	-0.027	1.013	-0.001	0.008	-0.44	-0.07
43	18.000	0.000-14.142	0.000-14.142	0.952	1000.0	1438.5	509.2	83.2	0.961	1.009	0.999	-0.019	1.009	-0.001	0.007	-0.38	-0.05
45	19.000	0.000-14.142	0.000-14.142	0.953	1001.0	1435.3	508.6	83.2	0.961	1.007	1.001	-0.014	1.007	-0.001	0.005	-0.31	-0.07
50	20.000	0.000-14.142	0.000-14.142	0.949	997.7	1436.2	507.1	83.3	0.959	1.009	0.999	-0.020	1.009	-0.001	0.006	-0.36	-0.08
53	21.000	0.000-14.142	0.000-14.142	0.953	1001.3	1437.6	509.5	83.3	0.962	1.009	0.995	-0.018	1.009	-0.001	0.006	-0.35	-0.06
56	22.000	0.000-14.142	0.000-14.142	0.953	1001.3	1439.6	510.3	83.3	0.963	1.009	0.999	-0.020	1.009	-0.002	0.006	-0.36	-0.09
61	23.000	0.000-14.142	0.000-14.142	0.953	1001.2	1438.3	510.1	83.3	0.965	1.010	0.999	-0.023	1.010	-0.001	0.006	-0.34	-0.08
62	24.000	0.000-14.142	0.000-14.142	0.954	1002.5	1440.2	511.1	83.3	0.965	1.009	0.999	-0.021	1.009	-0.002	0.005	-0.30	-0.12

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

TC-532 832

CONFIG 25

SURVEY 1602

ALFAS 0.00

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-0.000	14.142	0.000	0.948	997.2	1440.4	508.3	83.1	0.954	1.005	0.998	-0.012	1.005	0.001	0.001	0.001	0.07
3	-0.000	14.142	0.000	0.951	999.1	1440.6	509.5	83.1	0.959	1.007	0.999	-0.016	1.007	0.002	0.002	0.09	0.09
4	-0.000	14.142	0.000	0.950	998.9	1439.6	509.1	83.0	0.956	1.005	0.999	-0.011	1.005	0.002	0.001	0.08	0.10
5	-0.000	14.142	0.000	0.950	998.8	1439.7	509.3	83.1	0.956	1.005	0.999	-0.012	1.005	0.002	0.002	0.09	0.12
6	-0.000	14.142	0.000	0.950	998.1	1439.0	508.4	83.0	0.953	1.004	0.999	-0.008	1.004	0.003	0.001	0.06	0.15
7	-0.000	14.142	0.000	0.950	999.1	1441.1	509.6	83.3	0.955	1.004	0.999	-0.010	1.004	0.003	0.001	0.06	0.20
8	0.000	14.142	0.000	0.950	998.5	1439.7	508.7	83.3	0.954	1.004	0.999	-0.009	1.004	0.004	0.001	0.05	0.25
9	1.000	14.142	0.000	0.950	998.7	1441.4	509.4	83.3	0.955	1.005	0.999	-0.011	1.005	0.005	0.000	0.03	0.30
10	2.000	14.142	0.000	0.950	998.5	1441.8	509.5	83.3	0.957	1.007	0.998	-0.016	1.007	0.006	0.001	0.03	0.36
11	3.000	14.142	0.000	0.948	997.3	1439.5	508.0	83.3	0.957	1.008	0.999	-0.017	1.008	0.007	0.000	0.02	0.40
12	4.000	14.142	0.000	0.948	996.7	1439.8	507.8	83.2	0.960	1.011	1.000	-0.022	1.011	0.007	0.000	0.01	0.41
13	5.000	14.142	0.000	0.949	997.3	1441.0	508.7	83.0	0.963	1.012	0.999	-0.026	1.012	0.008	0.000	0.00	0.43
14	6.000	14.142	0.000	0.949	997.7	1440.1	508.5	83.1	0.963	1.013	0.999	-0.027	1.013	0.007	0.000	0.01	0.40
15	7.000	14.142	0.000	0.950	998.7	1440.3	509.2	83.0	0.967	1.015	0.999	-0.032	1.015	0.007	0.000	0.02	0.37
16	8.000	14.142	0.000	0.952	1000.6	1440.7	510.4	83.0	0.966	1.012	0.999	-0.026	1.012	0.006	0.000	0.01	0.34
17	9.000	14.142	0.000	0.953	1000.9	1439.9	510.2	83.1	0.965	1.011	0.999	-0.024	1.011	0.006	0.001	0.06	0.36
18	10.000	14.142	0.000	0.952	1000.2	1440.5	510.1	83.0	0.961	1.008	0.999	-0.018	1.008	0.005	0.001	0.06	0.36
19	11.000	14.142	0.000	0.954	1002.3	1439.6	510.9	83.1	0.962	1.007	0.999	-0.015	1.007	0.007	0.001	0.08	0.39
20	12.000	14.142	0.000	0.950	998.7	1440.1	509.1	83.0	0.961	1.010	1.000	-0.020	1.010	0.008	0.002	0.12	0.44
21	13.000	14.142	0.000	0.953	1001.0	1440.8	510.6	83.2	0.963	1.010	0.999	-0.020	1.010	0.008	0.003	0.16	0.46
22	14.000	14.142	0.000	0.950	998.2	1439.9	504.9	83.1	0.960	1.009	0.999	-0.019	1.009	0.009	0.004	0.21	0.49
23	15.000	14.142	0.000	0.951	999.2	1439.8	508.2	83.1	0.974	1.020	0.999	-0.042	1.020	0.009	0.005	0.27	0.51
24	16.000	14.142	0.000	0.953	1001.1	1439.5	510.2	83.0	0.980	1.024	0.998	-0.051	1.024	0.008	0.006	0.35	0.46
25	17.000	14.142	0.000	0.954	1001.6	1439.1	510.4	83.0	1.002	1.042	0.999	-0.086	1.042	0.005	0.009	0.49	0.28
26	18.000	14.142	0.000	0.951	999.8	1439.9	509.6	83.2	1.017	1.057	0.999	-0.116	1.057	0.004	0.012	0.94	0.21
27	19.000	14.142	0.000	0.951	999.2	1440.2	509.3	83.3	0.979	1.025	0.999	-0.052	1.025	0.005	0.014	0.79	0.29
28	20.000	14.142	0.000	0.951	999.9	1439.7	509.6	83.2	0.965	1.012	0.999	-0.027	1.012	0.004	0.015	0.83	0.20
29	21.000	14.142	0.000	0.950	995.9	1437.1	508.2	83.1	0.965	1.013	0.999	-0.027	1.013	0.002	0.014	0.75	0.11
30	22.000	14.142	0.000	0.954	1002.0	1436.4	509.6	83.2	0.964	1.009	0.999	-0.019	1.009	0.009	0.001	0.80	0.05
31	23.000	14.142	0.000	0.954	1001.8	1438.9	510.3	83.2	0.966	1.011	0.998	-0.025	1.011	0.001	0.014	0.77	0.04
32	24.000	14.142	0.000	0.954	1002.1	1438.5	510.3	83.3	0.969	1.014	0.999	-0.029	1.014	0.001	0.014	0.78	0.04

DATE 9-MAR-78 PROJECT NO PAIC-NOC

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNDT AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 843 3.000 0.00 25 1601 0.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
6	-6.000	0.000-14.142	1.053	1088.2	1401.2	539.7	83.0	83.0	1.060	1.005	0.999	-0.012	1.005	-0.002	0.005	0.30	-0.11
7	-5.000	0.000-14.142	1.050	1085.4	1403.0	539.1	83.1	83.1	1.057	1.006	0.999	-0.013	1.006	-0.002	0.005	0.31	-0.10
8	-4.000	0.000-14.142	1.048	1083.9	1402.1	538.1	83.1	83.1	1.052	1.003	0.998	-0.008	1.003	-0.002	0.005	0.28	-0.12
9	-3.000	0.000-14.142	1.047	1082.9	1401.5	537.2	83.0	83.0	1.050	1.002	0.999	-0.006	1.002	-0.002	0.005	0.29	-0.12
10	-2.000	0.000-14.142	1.052	1087.0	1403.5	540.0	83.1	83.1	1.053	1.001	0.998	-0.005	1.001	-0.002	0.005	0.22	-0.10
11	-1.000	0.000-14.142	1.051	1086.5	1403.3	539.6	83.2	83.2	1.059	1.006	0.998	-0.014	1.006	-0.003	0.005	0.28	-0.14
14	0.000	0.000-14.142	1.050	1085.1	1402.0	538.6	82.9	82.9	1.055	1.004	0.958	-0.010	1.004	-0.002	0.005	0.26	-0.14
15	1.000	0.000-14.142	1.049	1084.6	1403.0	538.8	83.0	83.0	1.044	0.996	0.998	0.005	0.996	-0.003	0.002	0.11	-0.13
16	2.000	0.000-14.142	1.048	1083.7	1402.1	538.0	83.0	83.0	1.019	0.977	0.998	0.044	0.977	-0.003	-0.004	-0.26	-0.17
17	3.000	0.000-14.142	1.050	1085.7	1402.0	538.8	83.1	83.1	1.019	0.975	0.999	0.048	0.975	-0.003	-0.007	-0.35	-0.15
18	4.000	0.000-14.142	1.050	1085.2	1401.7	538.5	83.1	83.1	1.017	0.974	0.999	0.051	0.974	-0.003	-0.007	-0.43	-0.15
19	5.000	0.000-14.142	1.049	1084.8	1402.7	538.6	83.2	83.2	1.025	0.981	0.999	0.036	0.981	-0.002	-0.008	-0.57	-0.14
20	6.000	0.000-14.142	1.053	1087.6	1402.1	539.7	83.1	83.1	1.035	0.986	0.999	0.027	0.986	-0.003	-0.008	-0.58	-0.15
21	7.000	0.000-14.142	1.053	1086.2	1401.9	539.9	83.1	83.1	1.050	0.998	0.999	0.003	0.998	-0.002	-0.010	-0.57	-0.12
22	8.000	0.000-14.142	1.052	1087.3	1403.3	540.0	83.2	83.2	1.064	1.010	0.999	-0.021	1.009	-0.002	-0.011	-0.62	-0.12
23	9.000	0.000-14.142	1.053	1087.8	1402.7	540.0	83.1	83.1	1.073	1.015	0.998	-0.033	1.015	-0.002	-0.010	-0.58	-0.13
24	10.000	0.000-14.142	1.052	1087.4	1400.5	539.0	83.2	83.2	1.079	1.021	0.998	-0.044	1.021	-0.003	-0.008	-0.42	-0.17
26	11.000	0.000-14.142	1.052	1086.6	1401.1	538.9	83.0	83.0	1.090	1.029	0.998	-0.061	1.029	-0.003	-0.004	-0.23	-0.15
27	12.000	0.000-14.142	1.054	1088.3	1403.8	540.7	83.0	83.0	1.098	1.034	0.997	-0.071	1.034	-0.002	-0.001	-0.04	-0.10
30	13.000	0.000-14.142	1.051	1086.0	1401.8	538.9	83.1	83.1	1.109	1.045	0.998	-0.052	1.045	-0.002	0.005	0.26	-0.10
35	14.000	0.000-14.142	1.050	1085.6	1402.8	539.1	83.2	83.2	1.117	1.051	0.997	-0.106	1.051	-0.002	0.209	0.30	-0.10
41	15.000	0.000-14.142	1.051	1086.2	1402.1	539.1	83.1	83.1	1.038	0.990	0.998	0.018	0.990	-0.001	-0.006	-0.27	-0.04
47	16.000	0.000-14.142	1.052	1087.4	1402.7	539.8	83.1	83.1	1.046	0.995	0.999	0.006	0.995	-0.002	-0.001	-0.05	-0.09
50	17.000	0.000-14.142	1.052	1087.2	1401.7	539.4	83.1	83.1	1.062	1.008	0.999	-0.017	1.008	-0.002	0.003	0.30	-0.13
52	18.000	0.000-14.142	1.053	1087.9	1401.6	539.7	83.0	83.0	1.048	0.996	0.999	0.006	0.996	-0.002	0.006	0.32	-0.11
56	19.000	0.000-14.142	1.051	1086.4	1401.4	538.9	83.1	83.1	1.059	1.006	0.999	-0.014	1.006	-0.002	0.012	0.27	-0.29
59	20.000	0.000-14.142	1.051	1086.3	1402.2	539.1	83.2	83.2	1.073	1.017	0.998	-0.036	1.017	-0.002	0.011	0.63	-0.13
62	21.000	0.000-14.142	1.051	1086.6	1402.0	539.2	83.2	83.2	1.089	1.029	0.998	-0.050	1.029	-0.003	0.013	0.71	-0.14
65	22.000	0.000-14.142	1.051	1086.6	1401.1	538.9	83.1	83.1	1.101	1.038	0.998	-0.078	1.038	-0.002	0.014	0.99	-0.13
66	23.000	0.000-14.142	1.053	1087.8	1403.4	540.3	83.1	83.1	1.092	1.030	0.998	-0.063	1.030	-0.004	0.022	1.22	-0.21
67	24.000	0.000-14.142	1.052	1087.3	1403.1	540.0	83.1	83.1	1.029	0.982	0.997	0.032	0.982	-0.001	0.007	0.39	-0.04

DATE 9-MAR-78 PROJECT NO P41C-N0C

ARO, INC.

AEDC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPELLSION WIND TUNNEL

ARMED AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA

CONFIG 25

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DATE 2-22-78

AEDC PROPELLSION WIND TUNNEL

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POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SATL
15	-6.000	14.142	0.000	1.049	1083.1	1401.1	537.5	82.7	1.057	1.007	0.999	-0.016	1.007	0.000	0.002	0.09	0.00
16	-5.000	14.142	0.000	1.049	1084.4	1401.0	537.9	83.0	1.056	1.006	0.998	-0.013	1.006	-0.000	0.002	0.09	0.00
17	-4.000	14.142	0.000	1.048	1083.7	1400.7	537.5	82.9	1.051	1.002	0.999	-0.005	1.002	-0.001	0.002	0.10	-0.04
18	-3.000	14.142	0.000	1.053	1087.9	1401.1	539.6	82.8	1.059	1.004	0.999	-0.009	1.004	-0.001	0.001	0.09	-0.04
19	-2.000	14.142	0.000	1.052	1087.3	1402.4	539.7	83.0	1.057	1.004	0.999	-0.009	1.004	-0.001	0.001	0.06	-0.04
20	-1.000	14.142	0.000	1.052	1086.8	1401.6	539.2	83.0	1.051	1.000	0.999	-0.001	1.000	-0.001	0.002	0.10	-0.05
21	0.000	14.142	0.000	1.052	1087.2	1400.5	538.9	83.0	1.053	1.000	0.999	-0.002	1.000	-0.001	0.002	0.13	-0.03
22	1.000	14.142	0.000	1.051	1086.0	1402.3	539.1	83.0	1.048	0.998	0.999	0.003	0.998	0.001	0.002	0.13	0.04
23	2.000	14.142	0.000	1.052	1086.7	1403.2	539.7	83.1	1.025	0.979	0.998	0.039	0.979	0.007	0.002	0.13	0.40
24	3.000	14.142	0.000	1.053	1087.6	1401.8	539.6	83.1	1.026	0.979	0.999	0.040	0.979	0.010	0.001	0.07	0.57
25	4.000	14.142	0.000	1.049	1084.3	1400.7	537.7	83.0	1.010	0.976	1.000	0.048	0.976	0.011	0.001	0.03	0.53
26	5.000	14.142	0.000	1.051	1086.6	1403.6	539.9	83.1	1.025	0.980	0.999	0.039	0.980	0.011	0.000	0.01	0.55
28	6.000	14.142	0.000	1.050	1085.1	1402.2	538.7	83.0	1.037	0.990	0.999	0.018	0.990	0.013	0.001	0.03	0.76
29	7.000	14.142	0.000	1.053	1088.2	1407.8	540.3	83.1	1.051	0.998	0.999	0.002	0.998	0.014	0.000	0.03	0.80
30	8.000	14.142	0.000	1.053	1087.7	1401.4	539.5	83.0	1.058	1.004	0.999	-0.009	1.004	0.014	0.001	0.03	0.77
31	9.000	14.142	0.000	1.053	1087.8	1402.6	540.0	83.0	1.064	1.009	0.999	-0.018	1.008	0.012	0.000	0.01	0.66
32	10.000	14.142	0.000	1.053	1087.8	1402.6	540.1	82.9	1.074	1.016	0.999	-0.033	1.016	0.009	0.000	0.01	0.52
33	11.000	14.142	0.000	1.054	1088.4	1401.8	540.0	82.9	1.084	1.023	0.998	-0.046	1.023	0.006	0.001	0.09	0.32
34	12.000	14.142	0.000	1.051	1086.1	1401.0	539.7	82.9	1.095	1.034	0.998	-0.070	1.034	0.002	0.002	0.05	0.12
35	13.000	14.142	0.000	1.054	1088.8	1402.6	540.5	83.0	1.107	1.040	0.998	-0.083	1.040	-0.000	0.002	0.12	-0.03
37	14.000	14.142	0.000	1.051	1086.4	1402.8	539.5	83.0	1.117	1.051	0.997	-0.104	1.051	-0.006	-0.001	0.05	-0.34
38	15.000	14.142	0.000	1.050	1085.7	1402.2	539.0	83.0	1.035	0.988	0.997	0.021	0.988	0.009	-0.003	-0.16	0.51
39	16.000	14.142	0.000	1.053	1087.8	1402.0	539.8	83.0	1.031	0.993	0.999	0.032	0.993	0.009	-0.000	-0.02	0.53
42	17.000	14.142	0.000	1.052	1087.0	1401.6	539.3	83.0	1.035	0.987	0.999	0.025	0.987	0.007	0.000	0.01	0.38
44	18.000	14.142	0.000	1.051	1086.5	1401.8	539.2	83.0	1.050	0.999	0.999	0.000	0.999	-0.000	-0.000	0.00	-0.02
47	19.000	14.142	0.000	1.051	1086.1	1401.4	538.9	82.9	1.075	1.019	0.999	-0.039	1.018	-0.009	0.000	0.00	-0.51
48	20.000	14.142	0.000	1.055	1089.1	1402.4	540.6	82.9	1.101	1.036	0.998	-0.074	1.036	-0.014	-0.000	-0.02	-0.75
50	21.000	14.142	0.000	1.052	1087.3	1403.0	540.0	83.0	1.129	1.059	0.997	-0.130	1.059	-0.021	-0.002	-0.08	-1.12
51	22.000	14.142	0.000	1.054	1088.9	1400.5	539.7	83.0	1.122	1.052	0.997	-0.107	1.051	-0.016	-0.003	-0.14	-0.58
52	23.000	14.142	0.000	1.052	1087.3	1399.9	538.8	83.0	1.036	0.987	0.999	0.025	0.987	0.002	-0.003	-0.19	0.11
54	24.000	14.142	0.000	1.048	1083.2	1400.6	537.3	82.9	1.033	0.988	0.999	0.022	0.988	0.001	-0.002	-0.10	0.64

DATE 9-MAR-78 PROJECT NO P41C-N0C

AFG, INC.

AEGC DIVISION

A SVERDRUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARMOLO AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALPHA CONFIG

TC-532 846 3.061 2.00 25 SURVEY ALFAS 1601 0.01

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

DATE
2-22-78

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VBL/VW	PHL/PT	CPL	UT/VW	VT/VW	WT/VW	ATL	SWIL
11	-6.000	0.000-14.142	1.052	1086.5	1401.5	539.1	82.9	1.056	1.003	0.998	-0.009	1.003	1.003	-0.002	0.003	0.31	-0.11
12	-5.000	0.000-14.142	1.050	1085.4	1401.1	538.0	83.0	1.056	1.005	0.999	-0.011	1.005	1.005	-0.002	0.003	0.34	-0.11
13	-4.000	0.000-14.142	1.050	1085.0	1401.3	538.4	82.9	1.054	1.003	0.999	-0.007	1.003	1.003	-0.002	0.003	0.31	-0.11
14	-3.000	0.000-14.142	1.049	1084.6	1401.5	538.3	82.8	1.052	1.002	0.999	-0.006	1.002	1.002	-0.002	0.003	0.29	-0.13
15	-2.000	0.000-14.142	1.047	1082.9	1398.0	536.2	82.8	1.049	1.002	0.999	-0.004	1.002	1.002	-0.002	0.003	0.30	-0.12
16	-1.000	0.000-14.142	1.048	1083.6	1401.2	537.8	82.7	1.054	1.004	0.999	-0.010	1.004	1.004	-0.003	0.003	0.29	-0.15
17	0.000	0.000-14.142	1.051	1086.3	1401.3	539.0	82.7	1.056	1.003	0.998	-0.010	1.003	1.003	-0.002	0.003	0.31	-0.13
18	1.000	0.000-14.142	1.051	1085.8	1401.5	538.8	82.8	1.056	1.004	0.998	-0.011	1.004	1.004	-0.003	0.003	0.32	-0.16
19	2.000	0.000-14.142	1.049	1084.0	1400.3	537.6	82.8	1.024	0.981	0.999	0.037	0.981	0.981	-0.003	-0.003	0.17	-0.14
20	3.000	0.000-14.142	1.048	1083.4	1401.8	537.8	82.9	1.018	0.977	0.999	0.045	0.976	0.976	-0.003	-0.006	0.34	-0.15
21	4.000	0.000-14.142	1.047	1082.5	1402.0	537.5	82.8	1.017	0.976	0.999	0.040	0.976	0.976	-0.002	-0.007	0.39	-0.14
22	5.000	0.000-14.142	1.051	1085.8	1400.4	538.4	82.7	1.021	0.977	0.998	0.044	0.977	0.977	-0.003	-0.007	0.41	-0.15
23	6.000	0.000-14.142	1.051	1085.8	1400.4	538.4	82.8	1.032	0.986	0.999	0.027	0.986	0.986	-0.002	-0.008	0.38	-0.14
24	7.000	0.000-14.142	1.051	1085.9	1401.0	538.7	82.7	1.048	0.998	0.999	0.002	0.998	0.998	-0.002	-0.010	0.37	-0.10
25	8.000	0.000-14.142	1.053	1087.3	1401.6	539.0	82.7	1.063	1.008	0.998	-0.018	1.008	1.008	-0.002	-0.011	0.42	-0.10
26	9.000	0.000-14.142	1.053	1087.7	1400.7	539.4	82.7	1.070	1.013	0.998	-0.029	1.013	1.013	-0.003	-0.010	0.56	-0.15
27	10.000	0.000-14.142	1.053	1088.0	1400.1	539.2	82.8	1.078	1.019	0.998	-0.040	1.019	1.019	-0.003	-0.009	0.48	-0.15
28	11.000	0.000-14.142	1.052	1087.2	1401.0	539.2	82.9	1.087	1.027	0.999	-0.055	1.027	1.027	-0.003	-0.009	0.31	-0.15
30	12.000	0.000-14.142	1.053	1087.3	1401.2	539.4	82.8	1.094	1.032	0.998	-0.066	1.032	1.032	-0.002	-0.009	0.02	-0.10
31	13.000	0.000-14.142	1.052	1087.0	1401.2	539.2	82.9	1.106	1.042	0.997	-0.086	1.042	1.042	-0.002	-0.003	0.18	-0.16
32	14.000	0.000-14.142	1.054	1089.0	1402.7	540.9	83.0	1.116	1.047	0.997	-0.098	1.047	1.047	-0.002	-0.008	0.43	-0.15
34	15.000	0.000-14.142	1.050	1085.5	1401.8	538.7	83.0	1.028	0.983	0.998	0.032	0.983	0.983	-0.001	-0.007	0.40	-0.03
36	16.000	0.000-14.142	1.052	1087.2	1402.2	539.6	83.0	1.047	0.996	0.998	0.007	0.996	0.996	-0.002	-0.002	0.14	-0.12
39	17.000	0.000-14.142	1.050	1085.7	1401.5	538.7	83.0	1.038	0.990	0.999	0.018	0.990	0.990	-0.002	-0.009	0.02	-0.10
41	18.000	0.000-14.142	1.053	1087.9	1401.3	539.6	83.0	1.032	0.984	0.999	0.031	0.984	0.984	-0.002	-0.001	0.08	-0.18
44	19.000	0.000-14.142	1.053	1088.1	1401.7	539.8	83.0	1.037	0.987	0.998	0.023	0.987	0.987	-0.002	-0.003	0.18	-0.10
45	20.000	0.000-14.142	1.054	1088.3	1400.9	539.6	82.9	1.054	1.000	0.999	-0.001	1.000	1.000	-0.002	-0.004	0.21	-0.13
48	21.000	0.000-14.142	1.051	1086.0	1402.4	539.2	82.9	1.063	1.009	0.998	-0.021	1.009	1.009	-0.002	-0.005	0.31	-0.13
49	22.000	0.000-14.142	1.054	1089.1	1402.9	540.7	83.0	1.076	1.017	0.998	-0.036	1.017	1.017	-0.003	-0.009	0.53	-0.15
55	23.000	0.000-14.142	1.053	1087.5	1401.9	539.6	83.0	1.102	1.038	0.998	-0.078	1.038	1.038	-0.003	-0.017	0.96	-0.14
56	24.000	0.000-14.142	1.054	1088.7	1401.7	540.1	83.0	1.064	1.008	0.997	-0.019	1.008	1.008	-0.002	-0.006	0.34	-0.05

DATE 9-MAR-78 PROJECT NO P41C-NUC

ARO, INC.

AEC DIVISION

A STEPHENSON CORPORATION COMPANY

PROPULSION WIND TUNNEL

ARNOLD AIR FORCE STATION, TENNESSEE

TEST PART REX10-6 ALFA CONFIG

TC-332 847 2.999 2.00 25 SURVEY ALFAS

DATE
2-22-78AEC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	ATL	SKTL
3	-5.000	14.142	0.000	1.048	1083.5	1402.7	538.1	83.1	1.058	1.008	0.998	-0.018	1.008	0.000	0.002	0.11	0.00
4	-5.000	14.142	0.000	1.051	1086.4	1401.2	538.9	83.0	1.058	1.005	0.999	-0.011	1.005	0.000	0.003	0.16	0.00
5	-3.000	14.142	0.000	1.052	1087.2	1403.1	539.4	83.0	1.057	1.004	0.999	-0.010	1.004	-0.001	0.002	0.12	-0.04
6	-3.000	14.142	0.000	1.051	1086.2	1402.8	539.4	83.0	1.057	1.005	0.998	-0.012	1.005	-0.001	0.001	0.08	-0.03
7	-2.000	14.142	0.000	1.051	1086.4	1402.0	539.1	83.1	1.052	1.001	0.998	-0.004	1.001	-0.001	0.002	0.10	-0.03
8	-1.000	14.142	0.000	1.051	1086.1	1401.1	538.7	83.0	1.050	0.999	0.999	0.001	0.999	-0.001	0.002	0.11	-0.04
9	0.000	14.142	0.000	1.051	1086.5	1401.6	539.1	83.0	1.054	1.002	1.000	-0.004	1.002	-0.000	0.002	0.13	-0.03
10	1.000	14.142	0.000	1.053	1087.7	1402.5	539.9	83.0	1.050	0.998	0.999	0.003	0.998	0.000	0.002	0.13	0.01
11	2.000	14.142	0.000	1.050	1085.3	1401.0	538.4	82.9	1.025	0.980	0.999	0.038	0.980	0.007	0.001	0.02	0.18
12	3.000	14.142	0.000	1.051	1086.4	1400.4	538.6	83.0	1.023	0.978	0.999	0.044	0.978	0.010	0.001	0.04	0.58
13	4.000	14.142	0.000	1.053	1087.5	1401.9	539.6	83.0	1.021	0.975	0.999	0.049	0.975	0.011	0.000	0.01	0.52
14	5.000	14.142	0.000	1.052	1086.7	1402.5	539.5	83.0	1.026	0.980	0.999	0.038	0.980	0.011	-0.000	-0.03	0.66
15	6.000	14.142	0.000	1.054	1088.3	1402.3	540.1	83.0	1.037	0.987	0.998	0.023	0.987	0.012	0.001	0.03	0.72
16	7.000	14.142	0.000	1.051	1085.9	1400.8	538.4	83.0	1.048	0.998	0.999	0.002	0.998	0.014	0.001	0.03	0.51
17	8.000	14.142	0.000	1.053	1088.2	1402.4	540.1	83.0	1.056	1.002	0.999	-0.005	1.002	0.013	0.001	0.03	0.77
18	9.000	14.142	0.000	1.052	1087.3	1402.8	539.9	83.0	1.066	1.011	0.998	-0.023	1.010	0.012	0.001	0.03	0.88
19	10.000	14.142	0.000	1.054	1088.9	1400.4	539.6	83.1	1.073	1.015	0.999	-0.030	1.015	0.009	0.001	0.06	0.53
20	11.000	14.142	0.000	1.052	1087.3	1402.5	539.7	83.1	1.083	1.024	0.998	-0.049	1.024	0.006	0.002	0.13	0.32
21	12.000	14.142	0.000	1.051	1086.0	1402.2	539.1	83.0	1.096	1.035	0.999	-0.071	1.035	0.002	0.003	0.15	0.10
22	13.000	14.142	0.000	1.052	1086.7	1401.6	539.2	82.9	1.105	1.041	0.998	-0.065	1.041	-0.001	0.002	0.12	-0.06
23	14.000	14.142	0.000	1.050	1085.3	1401.3	538.5	82.9	1.111	1.047	0.997	-0.097	1.047	-0.006	-0.000	-0.03	-0.36
24	15.000	14.142	0.000	1.053	1087.5	1401.5	539.5	83.0	1.036	0.987	0.997	0.023	0.987	0.010	-0.002	0.11	0.55
25	16.000	14.142	0.000	1.052	1087.1	1402.2	539.6	82.9	1.038	0.989	0.999	0.020	0.989	0.009	0.000	0.02	0.52
26	17.000	14.142	0.000	1.051	1086.4	1401.6	539.0	83.0	1.035	0.987	0.998	0.023	0.987	0.006	0.003	0.17	0.14
27	18.000	14.142	0.000	1.052	1087.2	1403.2	540.0	83.0	1.050	0.998	0.998	0.001	0.998	-0.001	0.005	0.27	-0.04
28	19.000	14.142	0.000	1.055	1089.5	1401.4	540.5	83.0	1.075	1.016	0.998	-0.034	1.016	-0.008	0.006	0.35	-0.50
29	20.000	14.142	0.000	1.051	1085.9	1401.1	538.6	83.0	1.104	1.041	0.998	-0.065	1.041	-0.014	0.006	0.35	-0.77
30	21.000	14.142	0.000	1.052	1086.7	1401.4	539.1	83.0	1.124	1.055	0.998	-0.113	1.055	-0.019	0.007	0.36	-1.03
31	22.000	14.142	0.000	1.054	1088.8	1402.8	540.6	83.0	1.109	1.042	0.996	-0.089	1.042	-0.015	0.008	0.44	-0.84
32	23.000	14.142	0.000	1.053	1088.2	1402.6	540.2	83.0	1.035	0.980	0.998	0.025	0.980	0.002	0.006	0.34	0.09
33	24.000	14.142	0.000	1.052	1087.0	1400.9	539.0	83.0	1.033	0.985	0.999	0.029	0.985	0.001	0.004	0.26	0.07

DATE 9-MAR-78 PROJECT NO P41C-N0C

ASO, INC.

AEC DIVISION

A SVEPORUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART HEX10-6 ALFA

CONFIG 25

SURVEY ALFAS

1601

0.00

DATE

2-22-78

AEC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	Q	TT	ML	VML/VM	PT/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SAITL
11	-6.000	0.000-14.142	1.054	1088.7	1401.1	539.9	82.9	82.9	1.056	1.004	0.999	-0.010	1.004	-0.002	0.004	0.24	-0.11
12	-5.000	0.000-14.142	1.054	1088.2	1402.5	540.3	82.8	82.8	1.059	1.004	0.998	-0.011	1.004	-0.001	0.005	0.26	-0.07
13	-4.000	0.000-14.142	1.049	1084.1	1402.0	538.2	82.9	82.9	1.052	1.003	0.998	-0.008	1.003	-0.002	0.004	0.25	-0.09
14	-3.000	0.000-14.142	1.046	1082.1	1400.5	535.8	82.8	82.8	1.050	1.003	0.999	-0.007	1.003	-0.002	0.004	0.25	-0.09
15	-2.000	0.000-14.142	1.043	1080.4	1403.0	538.5	83.0	83.0	1.052	1.002	0.998	-0.008	1.002	-0.002	0.005	0.25	-0.10
16	-1.000	0.000-14.142	1.047	1082.4	1400.3	536.8	82.9	82.9	1.052	1.004	0.999	-0.009	1.004	-0.002	0.004	0.25	-0.11
17	0.000	0.000-14.142	1.051	1085.7	1402.1	538.5	82.9	82.9	1.056	1.004	0.998	-0.010	1.004	-0.002	0.004	0.23	-0.11
18	1.000	0.000-14.142	1.049	1084.3	1400.0	537.0	82.7	82.7	1.056	1.006	0.999	-0.013	1.006	-0.002	0.004	0.20	-0.14
19	2.000	0.000-14.142	1.048	1082.9	1400.1	537.0	82.7	82.7	1.027	0.984	0.999	0.031	0.984	-0.003	-0.004	-0.20	-0.15
20	3.000	0.000-14.142	1.047	1082.5	1401.1	537.2	82.9	82.9	1.017	0.977	0.998	0.044	0.977	-0.002	-0.005	-0.35	-0.13
21	4.000	0.000-14.142	1.050	1085.5	1401.0	538.5	82.8	82.8	1.017	0.974	0.999	0.051	0.974	-0.002	-0.007	-0.44	-0.13
22	5.000	0.000-14.142	1.051	1085.6	1402.0	538.9	82.8	82.8	1.022	0.976	0.999	0.043	0.977	-0.002	-0.008	-0.47	-0.11
23	6.000	0.000-14.142	1.051	1086.1	1402.0	539.1	82.8	82.8	1.030	0.983	0.994	0.031	0.983	-0.002	-0.009	-0.50	-0.11
24	7.000	0.000-14.142	1.051	1085.6	1401.7	538.9	82.9	82.9	1.042	0.993	0.999	0.011	0.993	-0.001	-0.010	-0.50	-0.08
25	8.000	0.000-14.142	1.051	1086.0	1400.6	538.5	82.9	82.9	1.056	1.004	0.999	-0.010	1.004	-0.002	-0.012	-0.56	-0.12
26	9.000	0.000-14.142	1.051	1086.1	1400.2	538.4	82.8	82.8	1.064	1.010	0.999	-0.021	1.010	-0.002	-0.012	-0.56	-0.12
27	10.000	0.000-14.142	1.054	1088.4	1402.7	540.4	82.8	82.8	1.075	1.016	0.998	-0.035	1.016	-0.002	-0.011	-0.50	-0.10
28	11.000	0.000-14.142	1.052	1087.1	1400.9	539.1	82.9	82.9	1.084	1.025	0.998	-0.052	1.025	-0.002	-0.008	-0.45	-0.10
29	12.000	0.000-14.142	1.051	1085.6	1400.7	538.4	82.8	82.8	1.094	1.034	0.998	-0.069	1.033	-0.002	-0.004	-0.21	-0.10
30	13.000	0.000-14.142	1.052	1087.3	1400.4	539.0	82.9	82.9	1.105	1.040	0.998	-0.082	1.040	-0.001	-0.001	-0.03	-0.05
31	14.000	0.000-14.142	1.053	1087.4	1401.2	539.5	82.9	82.9	1.112	1.045	0.998	-0.093	1.045	-0.002	-0.004	-0.23	-0.04
32	15.000	0.000-14.142	1.053	1087.9	1402.0	539.9	82.9	82.9	1.018	0.972	0.998	0.052	0.972	-0.006	-0.015	-0.74	-0.04
33	16.000	0.000-14.142	1.053	1087.4	1398.5	538.4	82.7	82.7	0.986	0.947	0.999	0.105	0.947	-0.001	-0.012	-0.74	-0.05
34	17.000	0.000-14.142	1.051	1085.8	1401.6	538.8	82.9	82.9	1.000	0.960	0.999	0.078	0.960	-0.001	-0.011	-0.66	-0.05
35	18.000	0.000-14.142	1.053	1087.4	1401.0	539.3	82.9	82.9	1.018	0.973	0.999	0.053	0.973	-0.001	-0.011	-0.62	-0.06
36	19.000	0.000-14.142	1.052	1086.7	1400.9	539.0	82.8	82.8	1.032	0.984	0.999	0.030	0.984	-0.001	-0.011	-0.54	-0.07
37	20.000	0.000-14.142	1.052	1086.5	1400.2	538.7	82.7	82.7	1.050	0.999	0.999	0.001	0.999	-0.001	-0.010	-0.37	-0.07
38	21.000	0.000-14.142	1.055	1089.1	1401.5	540.3	82.8	82.8	1.067	1.009	0.998	-0.020	1.009	-0.001	-0.008	-0.43	-0.06
39	22.000	0.000-14.142	1.053	1088.0	1400.1	539.3	82.7	82.7	1.083	1.023	0.998	-0.049	1.023	-0.001	-0.002	-0.12	-0.05
40	23.000	0.000-14.142	1.053	1087.6	1400.9	539.4	82.7	82.7	1.107	1.041	0.997	-0.085	1.041	-0.001	-0.001	0.005	-0.06
41	24.000	0.000-14.142	1.054	1088.8	1399.6	539.4	82.8	82.8	1.117	1.048	0.997	-0.099	1.048	-0.001	0.009	0.50	-0.05

200

DATE 9-MAR-76 PROJECT NO P41C-NOC

ARO, INC.

AEDC DIVISION

A SYNERGUP CORPORATION COMPANY

PROPULSION WIND TUNNEL

AROLD AIR FORCE STATION, TENNESSEE

TEST PART HEX10-6 ALPHA CONFIG

TC-532 861 3.001 5.00 25 SURVEY ALFAS

1002 0.00

DATE 2-22-78

AEDC PROPULSION WIND TUNNEL

TRANSONIC 4T

POINT	XT	YT	ZT	M	VM	PT	O	TT	ML	VML/VH	PTL/PT	CPL	UT/VH	VT/VH	WT/VH	AATL	SVTL
2	-6.000	14.142	0.000	1.049	1084.1	1402.9	538.5	83.0	1.058	1.007	0.998	-0.017	1.007	0.001	0.001	0.07	0.03
3	-5.000	14.142	0.000	1.059	1084.2	1402.1	538.3	82.8	1.055	1.005	0.998	-0.011	1.005	0.001	0.002	0.10	0.03
4	-4.000	14.142	0.000	1.052	1087.0	1400.6	539.0	82.7	1.056	1.003	0.999	-0.007	1.003	0.000	0.002	0.11	0.01
5	-3.000	14.142	0.000	1.052	1086.6	1400.8	538.9	82.8	1.058	1.005	0.999	-0.011	1.005	0.000	0.001	0.08	0.02
6	-2.000	14.142	0.000	1.052	1087.0	1401.5	539.3	82.8	1.056	1.003	0.998	-0.008	1.003	0.000	0.001	0.05	0.01
7	-1.000	14.142	0.000	1.053	1088.0	1402.7	540.3	82.8	1.054	1.000	0.999	-0.003	1.000	0.000	0.001	0.07	0.01
8	0.000	14.142	0.000	1.054	1088.1	1400.3	539.4	82.8	1.054	1.001	0.999	-0.003	1.001	0.000	0.002	0.11	0.00
10	1.000	14.142	0.000	1.051	1086.2	1399.8	538.4	82.7	1.049	0.999	0.999	0.001	0.999	0.001	0.002	0.10	0.07
11	2.000	14.142	0.000	1.051	1085.9	1400.3	538.4	82.7	1.026	0.981	0.999	0.038	0.981	0.006	0.001	0.05	0.28
12	3.000	14.142	0.000	1.052	1086.5	1399.8	538.5	82.8	1.025	0.979	0.999	0.041	0.979	0.010	0.000	0.02	0.59
13	4.000	14.142	0.000	1.054	1088.5	1401.8	540.1	82.9	1.025	0.977	0.999	0.044	0.977	0.011	0.001	0.04	0.64
15	5.000	14.142	0.000	1.049	1088.4	1400.1	537.6	82.9	1.026	0.982	1.000	0.036	0.982	0.012	0.001	0.06	0.62
16	6.000	14.142	0.000	1.051	1084.1	1403.3	540.5	82.8	1.036	0.987	0.998	0.025	0.987	0.013	0.001	0.05	0.75
19	7.000	14.142	0.000	1.050	1085.2	1400.7	538.2	82.8	1.049	0.999	0.999	0.001	0.999	0.015	0.000	0.01	0.55
20	8.000	14.142	0.000	1.052	1087.2	1403.1	540.0	82.9	1.058	1.004	0.998	-0.010	1.004	0.014	0.000	0.01	0.61
22	9.000	14.142	0.000	1.051	1086.4	1402.3	539.3	83.0	1.057	1.012	0.999	-0.026	1.012	0.012	0.000	0.01	0.69
23	10.000	14.142	0.000	1.053	1087.2	1400.8	539.2	82.7	1.073	1.016	0.999	-0.033	1.016	0.010	0.001	0.08	0.57
24	11.000	14.142	0.000	1.051	1086.2	1400.9	538.7	83.0	1.032	1.024	0.999	-0.050	1.024	0.007	0.003	0.16	0.36
25	12.000	14.142	0.000	1.053	1087.9	1401.0	539.5	83.0	1.093	1.030	0.999	-0.062	1.030	0.004	0.004	0.25	0.20
26	13.000	14.142	0.000	1.052	1086.8	1401.0	539.1	82.8	1.099	1.036	0.998	-0.074	1.036	0.001	0.003	0.16	0.05
29	14.000	14.142	0.000	1.051	1085.9	1401.3	538.7	82.9	1.077	1.020	0.998	-0.034	1.020	0.004	0.000	0.00	0.24
30	15.000	14.142	0.000	1.054	1088.4	1402.4	540.3	82.8	1.027	0.979	0.998	0.039	0.979	0.016	0.000	0.02	0.93
31	16.000	14.142	0.000	1.054	1088.8	1401.5	540.1	82.9	1.015	0.969	0.999	0.060	0.969	0.015	0.004	0.22	0.89
33	17.000	14.142	0.000	1.052	1086.3	1400.3	538.6	82.7	1.029	0.983	0.999	0.033	0.982	0.012	0.007	0.41	0.71
37	18.000	14.142	0.000	1.053	1087.3	1401.9	539.6	82.8	1.055	1.002	0.999	-0.004	1.001	0.006	0.010	0.58	0.36
40	19.000	14.142	0.000	1.052	1086.2	1400.9	538.9	82.6	1.032	1.032	0.998	-0.065	1.031	0.002	0.014	0.77	0.12
41	20.000	14.142	0.000	1.054	1086.6	1401.0	539.8	82.8	1.123	1.053	0.998	-0.108	1.053	0.011	0.018	0.97	0.60
42	21.000	14.142	0.000	1.051	1086.2	1400.7	538.7	82.8	1.125	1.071	0.996	-0.136	1.071	0.022	0.022	1.19	1.15
43	22.000	14.142	0.000	1.049	1084.5	1400.0	537.7	82.8	1.101	1.040	0.995	-0.085	1.040	0.008	0.020	1.07	0.46
44	23.000	14.142	0.000	1.051	1085.9	1401.0	538.6	82.9	1.071	1.018	0.998	-0.034	1.015	0.001	0.018	1.02	0.04
45	24.000	14.142	0.000	1.052	1086.5	1400.5	538.8	82.7	1.045	0.995	0.999	0.010	0.994	0.003	0.015	0.88	0.19